



## Accessory Catalog

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# Preface

Hytera is dedicated to providing an extensive range of accessory solutions, which can work with the terminals to deliver users remarkable communication experience.

To attain this purpose, we keep making great efforts through the R & D process of each product. From the very beginning, a systematic plan will be hammered out, in which an in-depth analysis on relation between accessories and related devices is given. This can help enhance the system performance by maximizing each device's functionality. When it comes to testing, all accessories shall undergo a series of rigid tests involving accelerated life tests (ALT), mechanical, temperature, humidity, etc. Finally, a system-wide interoperability test will be carried out before delivery.

*For the interests of users and reputation of Hytera products, please use or sell original accessories supplied by Hytera only.*

*Note: This catalog is subject to change without notice due to continuous development. For the latest accessory information, please visit : [www.hytera.com](http://www.hytera.com)*



Industrial design team



Acoustic censored room



Battery second performance testing device



Environmental test equipment

## Portable Radio Accessories

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## Repeater and Mobile Radio Accessories

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## Portable Radio Accessories

We provide all sorts of accessories like audio accessories, batteries, chargers, carry accessories and antennas, each of which is designed and tested to operate with your radios in extreme conditions while boosting team productivity.

- Audio Devices
- Power Devices
- Batteries
- Carry Accessories
- Programming Cables

## Audio Devices

Conventional earpieces allow you to work hands-free, enabling you to enjoy better convenience and discreet communication.



Conventional Earpiece



Surveillance Earpiece



Bone-conduction Earpiece



Remote Speaker Microphone



# Conventional Earpieces

A full line of audio accessories, including conventional earpieces, surveillance earpieces, dedicated earpieces, and remote speaker microphone, are performance-matched for your radios, delivering you secure and reliable communication.

## Earset with In-line Microphone



1

Wearing style (on duty)



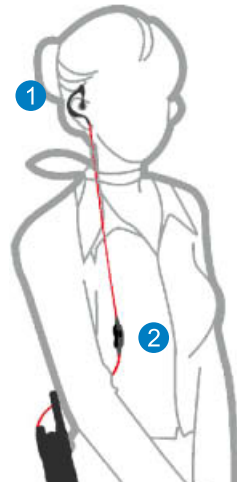
1

Wearing style (off duty)



2

Symbol of PTT/VOX switch



### Highlights

- » Comfortable to wear with C-style earset;
- » Swivel earbud for easy replacement;
- » Affordability and practicality;
- » Attaching the PTT securely with the plastic clip;
- » VOX available.

### Specifications

#### Speaker specifications

Sensitivity: 110 ± 3dB@1KHz 1mW (single part)  
 Rated power: 10mW Max. power: 30mW  
 Speaker impedance: 32Ω ± 15% @ 1 KHz

#### Microphone specifications

Sensitivity: -40 ± 3dB@1KHz 3.0V 2.2kΩ, 0dB=1V/Pa





#### Operating temperature

-20°C ~ 60°C

### Applications

- Hospitality
- Entertainment
- Retail
- Catering services

### Applicable Radios List

Audio Accessory Jack	Product Model	Applicable Radios	Volume Control	VOX	Remarks
	EHM04	TC-500, TC-600, TC2100H and TC1600	○	○	
	EHK01	TC-268S, TC-368S, TC-265, TC-365, TC-270 and TC-370	○	○	
	EHS12	TC1688, TC-320 and TC-310	○	○	
	EHS09	TC1688, TC-320 and TC-310	○	●	Switch between PTT and VOX from the earpiece

Note: "O" indicates that the function is not available; "●" indicates that the function is available. The above VOX shall be programmed. Please refer to the Owner's Manual for specific configuration.



# Earbud with On-MIC PTT



1 Wearing style of PTT & MIC



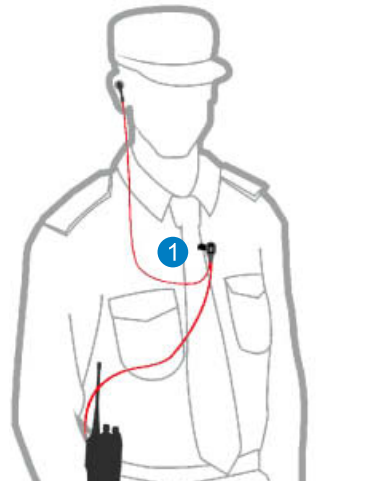
1 Wearing style of PTT & MIC



1 PTT/VOX switch

### Highlights

- » PTT-on-MIC design and elegant appearance;
- » Metal clip on the PTT back clips securely onto collar;
- » Capable of volume control and PTT/VOX switch;
- » Affordability and easy operation.



### Specifications

#### Speaker specifications

**Earpieces for analog radios:**  
 Sensitivity: 112 ± 3dB@1KHz 20mW (single part)  
 Rated power: 10mW Max. power: 30mW  
 Speaker impedance: 32Ω ± 15% @ 1 KHz

**Earpieces for digital radios:**  
 Sensitivity: 116 ± 3dB@1KHz 10mW (single part)  
 Rated power: 10mW, Max. power: 30mW  
 Speaker impedance: 90Ω ± 15% / 220Ω ± 20 % @ 1KHz

#### Microphone specifications

Sensitivity: -42 ± 3dB@1KHz 3.0V 2.2kΩ, 0dB=1V/Pa

#### Operating temperature

-20°C ~ 60°C

### Applications

- Large enterprises
- Government sectors

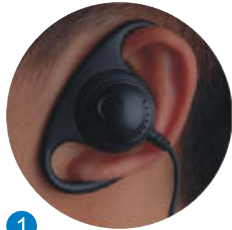
### Applicable Radios List

Audio Accessory Jack	Product Model	Applicable Radios	Volume Control	VOX	Remarks
	ESN10	PT580, PD70X(G), PD78X(G) and PT580H	●	○	
	ESN06	TC-780M, TC3000, TC3600, TC-780, TC-610P, TC-880GM and TC-700P	●	●	The VOX function can be enabled or disabled through the radio.
	ESM12	TC-700, TC-610, TC-620, TC-518, TC-580, TC-446S, TC-508 and POWER446	○	●	Switch between PTT and VOX from the earpiece
	ESM08	TC-500, TC-600, TC2110, TC2108 and TC1600	●	○	
	ESK04	TC-268, TC-368, TC-268S, TC-368S, TC-265, TC-365, TC-270 and TC-370	●	○	

Note: "O" indicates that the function is not available; "●" indicates that the function is available. The above VOX shall be programmed. Please refer to the Owner's Manual for specific configuration.



# D-earset with In-line Microphone



1 Wearing style



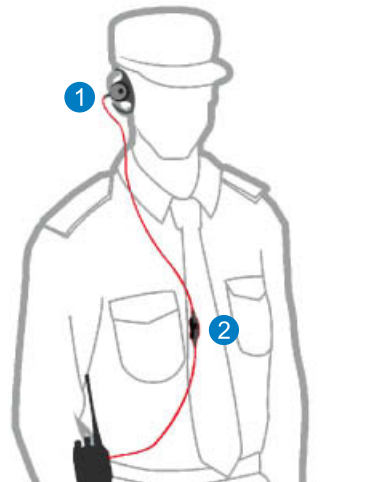
2 Volume control



2 PTT/VOX switch

### Highlights

- » Comfortable to wear with D-style earset;
- » Excellent audio clarity through the large speaker;
- » PTT-in-line design;
- » Attaching the PTT securely with the plastic clip;
- » Capable of volume control or PTT/ VOX switch.



### Specifications

Speaker specifications	
Sensitivity:	119 ± 3dB@1KHz 20mW (single part)
Rated power:	50mW Max. power: 100mW
Speaker impedance:	150Ω ± 15% @1KHz
Microphone specifications	
Sensitivity:	-42 ± 3dB@1KHz 3.0V 2.2kΩ, 0dB=1V/Pa
Operating temperature	
-20°C ~ 60°C	

### Applications

- Large enterprises
- Government sectors

### Applicable Radios List

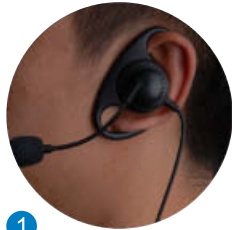
Audio Accessory Jack	Product Model	Applicable Radios	Volume Control	VOX	Remarks
	EHN07	TC-780M, TC3000, TC3600, TC-780, TC-610P, TC-700P and TC-880GM	●	●	
	EHM15	TC-700, TC-610, TC-620, TC-518, TC-580, TC-446S, TC-508 and POWER446	○	●	Switch between PTT and VOX from the earpiece

Note: "O" indicates that the function is not available; "●" indicates that the function is available. The above VOX shall be programmed. Please refer to the Owner's Manual for specific configuration.





# D-earset with Boom Microphone



1 Wearing style



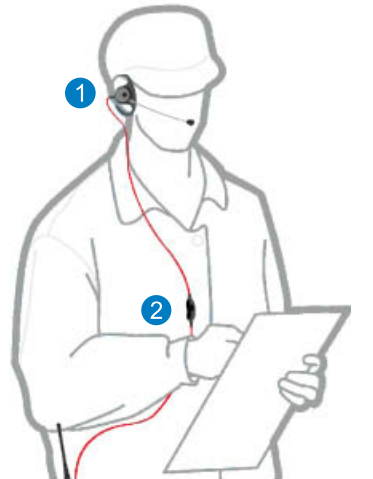
2 Volume control



2 PTT/VOX switch

### Highlights

- » Comfortable to wear with D-style earset;
- » Excellent audio clarity through the large speaker;
- » PTT-in-line design;
- » Attaching the PTT securely with the plastic clip;
- » Capable of volume control or PTT/ VOX switch;
- » Swivel boom microphone and VOX available for hands-free communication.



### Specifications

#### Speaker specifications

Sensitivity: 119 ± 3dB@1KHz 20mW (single part)  
 Rated power: 50mW Max. power: 100mW  
 Speaker impedance: 150Ω ± 15% @1KHz

#### Microphone specifications

Sensitivity: -42 ± 3dB@1KHz 3.0V 2.2kΩ, 0dB=1V/Pa

#### Operating temperature

-20°C ~ 60°C

### Applications

- Large enterprises
- Government sectors

### Applicable Radios List

Audio Accessory Jack	Product Model	Applicable Radios	Volume Control	VOX	Remarks
	EHN08	TC-780M, TC3000, TC3600, TC-780, TC-610P, TC-700P and TC-880GM	●	●	The VOX function can be enabled or disabled through the radio.
	EHM16	TC-700, TC-610, TC-620, TC-518, TC-580, TC-446S, TC-508 and POWER446	○	●	Switch between PTT and VOX from the earpiece

Note: "O" indicates that the function is not available; "●" indicates that the function is available. The above VOX shall be programmed. Please refer to the Owner's Manual for specific configuration.



# D-earset with On-MIC PTT



1

Wearing style



2

Wearing style of PTT & MIC

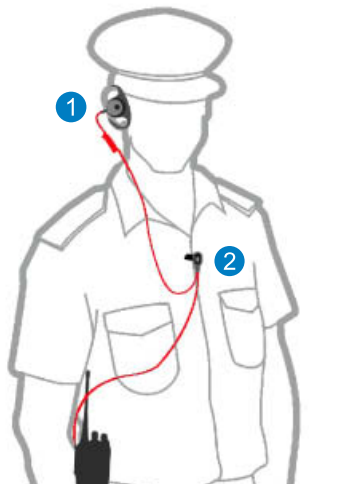


2

Volume control

## Highlights

- » Comfortable to wear with D-style earset;
- » Flexible coiled cords for easy adjustment;
- » Excellent audio clarity through the large speaker;
- » Metal clip on the PTT back clips securely onto collar;
- » Volume control capability.



## Specifications

### Speaker specifications

Sensitivity: 119 ± 3dB@1KHz 20mW (single part)  
 Rated power: 50mW Max. power: 100mW  
 Speaker impedance: 150Ω ± 15% @1KHz

### Microphone specifications

Sensitivity: -42 ± 3dB@1KHz 3.0V 2.2kΩ, 0dB=1V/Pa

### Operating temperature

-20°C ~ 60°C

## Applications

- Large enterprises
- Government sectors

## Applicable Radios List

Audio Accessory Jack	Product Model	Applicable Radios	Volume Control	VOX	Remarks
	EHN12	PT580, PD70X(G), PD78X(G) and PT580H	●	○	

Note: "O" indicates that the function is not available; "●" indicates that the function is available. The above VOX shall be programmed. Please refer to the Owner's Manual for specific configuration.





# Intrinsically Safe Earbud with In-line PTT



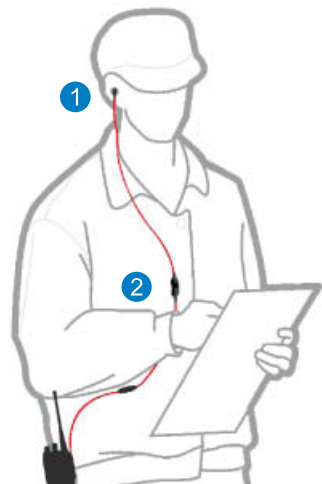
1 Volume control



2 Special design for intrinsic safety

### Highlights

- » Complying with intrinsically safe standard;
- » PTT-in-line design;
- » Attaching the PTT securely with the plastic clip;
- » Volume control capability.



### Specifications

#### Speaker specifications

Sensitivity: 112 ± 3dB@1KHz 1mW (Single part)  
 Rated power: 10mW Max. power: 30mW  
 Speaker impedance: 32Ω ± 15% @ 1 KHz

#### Microphone specifications

Sensitivity: -42 ± 3dB@1KHz 3.0V 2.2kΩ, 0dB=1V/Pa

#### Operating temperature

-20°C ~ 60°C

### Applications

- Oil & gas
- Chemical engineering
- Mining services

### Applicable Radios List

Audio Accessory Jack	Product Model	Applicable Radios	Volume Control	VOX	Remarks
	ESM01-Ex	TC-700ExPlus	●	○	

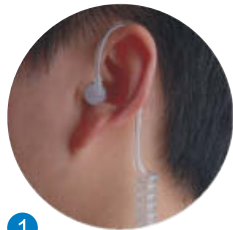
Note: "O" indicates that the function is not available; "●" indicates that the function is available. The above VOX shall be programmed. Please refer to the Owner's Manual for specific configuration.



# Surveillance Earpieces

Surveillance earpiece is designed for users who require discreet communication. Its soft silicone earplug can help you ease fatigue from long-time use.

## Earpiece with On-MIC PTT & Transparent Acoustic Tube



1 Wearing style



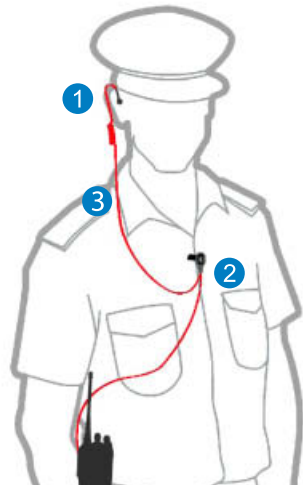
2 Wearing style of PTT & MIC



3 Detached transparent tube (for digital radios)



3 Detached transparent tube (for analog radios)



### Highlights

- » Flexible transparent tube for covertness and comfort;
- » Comfortable use with soft silicone earplug;
- » Detachable transparent tube for easy replacement;
- » PTT-on-MIC design;
- » Capable of volume control or PTT/ VOX switch.



### Specifications

#### Speaker specifications

##### Earpieces for analog radios:

Sensitivity: 112 ± 3dB@1KHz 1mW (single part)  
 Rated power: 10mW Max. power: 30mW  
 Speaker impedance: 32Ω ± 15% @ 1 KHz

##### Earpieces for digital radios:

Sensitivity: 116 ± 3dB@1KHz 10mW (single part)  
 Rated power: 10mW Max. power: 30mW  
 Speaker impedance: 90 Ω ± 15% / 220Ω ± 20 % @ 1 KHz

#### Microphone specifications

Sensitivity: -42 ± 3dB@1KHz 3.0V 2.2kΩ, 0dB=1V/Pa

#### Operating temperature

-20℃~60℃

### Applications

- Hospitality
- Entertainment
- Retail
- Catering services

### Applicable Radios List

Audio Accessory Jack	Product Model	Applicable Radios	Volume Control	VOX	Remarks
	EAN16	PT580, PD70X(G), PD78X(G) and PT580H	●	○	
	EAN04	TC-780M, TC3000, TC3600, TC-780, TC-610P, TC-700P and TC-880GM	●	●	The VOX function can be enabled or disabled through the radio.
	EAM12	TC-700, TC-610, TC-620, TC-518, TC-580, TC-446S, TC-508 and POWER446	○	●	Switch between PTT and VOX from the earpiece
	EAM08	TC-500, TC-600, TC2110, TC2108 and TC1600	●	○	
	EAK03	TC-268, TC-368, TC-268S, TC-368S, TC-265, TC-365, TC-270 and TC-370	●	○	

Note: "O" indicates that the function is not available; "●" indicates that the function is available. The above VOX shall be programmed. Please refer to the Owner's Manual for specific configuration.



## 2-wire Surveillance Earpieces with Transparent Acoustic Tube



1

Wearing style



2

Application illustration of PTT (on duty)



2

Wearing style of PTT (off duty)

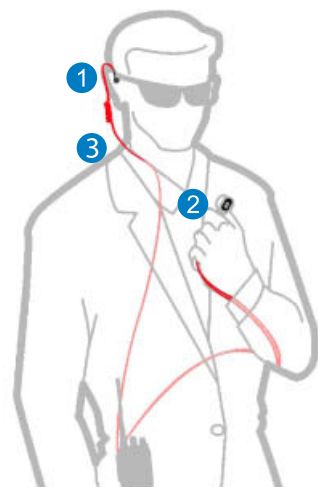


3

Detached transparent tube

### Highlights

- » PTT and SPK separated for discreet communication;
- » Easy to hide the PTT line under clothing;
- » Flexible transparent tube for covertness and comfort;
- » The soft silicone earplug for ease of fatigue;
- » Detachable transparent tube for easy replacement;
- » PTT-on-MIC design;
- » Capable of volume control or PTT/VOX switch.



### Specifications

#### Speaker specifications

Sensitivity: 112 ± 3dB@1KHz 1mW (Single part)  
 Rated power: 10mW Max. power: 30mW  
 Speaker impedance: 32Ω ± 15% @1KHz

#### Microphone specifications

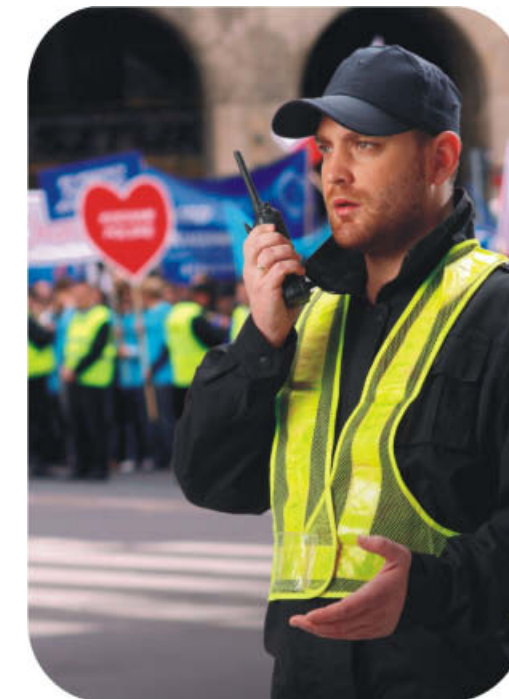
Sensitivity: -42 ± 3dB@1KHz 3.0V 2.2kΩ, 0dB=1V/Pa

#### Operating temperature

-20°C ~ 60°C

### Applications

- For users (such as the policeman) who require discreet communication.



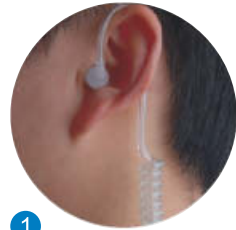
### Applicable Radios List

Audio Accessory Jack	Product Model	Applicable Radios	Volume Control	VOX	Remarks
	EAN07	TC-780M, TC3000, TC3600, TC-780, TC-610P, TC-700P and TC-880GM	●	●	The VOX function can be enabled or disabled through the radio.
	EAM13	TC-700, TC-610, TC-620 and POWER446	○	●	Switch between PTT and VOX from the earpiece

Note: "O" indicates that the function is not available; "●" indicates that the function is available. The above VOX shall be programmed. Please refer to the Owner's Manual for specific configuration.



# 3-wire Surveillance Earpieces with Transparent Acoustic Tube (black/beige)



1 Wearing style



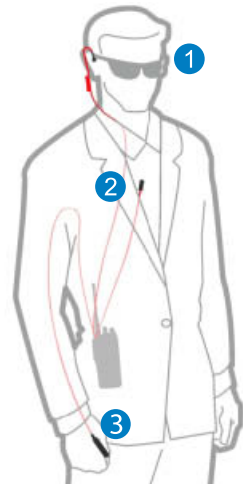
2 Wearing style of MIC



3 Wearing style of PTT

### Highlights

- » PTT, MIC and SPK separated for secret communication;
- » Flexible transparent tube for covertness and comfort;
- » Detachable transparent tube for easy replacement and better personal hygiene;
- » Two colors available: beige and black.



### Specifications

#### Speaker specifications

Sensitivity: 116 ± 3dB@1KHz 1mW (single part)  
 Rated power: 10mW Max. power: 30mW  
 Speaker impedance: 90Ω ± 15% / 220Ω ± 20% @ 1 KHz

#### Microphone specifications

Sensitivity: -42 ± 3dB@1KHz 3.0V 2.2kΩ, 0dB=1V/Pa

#### Operating temperature

-20°C ~ 60°C

### Applications

- For users (such as the policeman) who require secret communication.



### Applicable Radios List

Audio Accessory Jack	Product Model	Color	Applicable Radios	Volume Control	VOX	Remarks
	EAN18	Black	PT580, PD70X(G), PD78X(G) and PT580H	○	○	
	EAN17	Beige				
	EAN02	Black	TC-780M, TC3000, TC3600, TC-780, TC-610P, TC-700P and TC-880GM	○	●	The VOX function can be enabled or disabled through the radio.
	EAN06	Beige				
	EAM16	Black	TC-700, TC-610, TC-620 and POWER446	○	○	
	EAM15	Beige				

Note: "O" indicates that the function is not available; "●" indicates that the function is available. The above VOX shall be programmed. Please refer to the Owner's Manual for specific configuration.

# Wireless Covert Earpieces



1

Wearing style



1

Inserting battery



2

Detached neckloop inductor

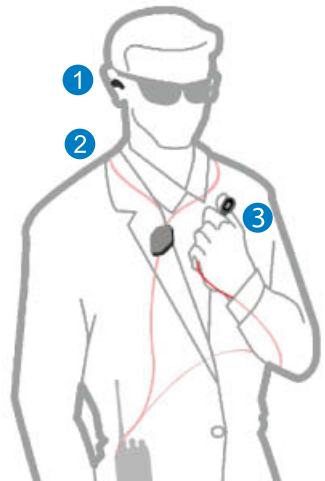


3

Wearing style of PTT

## Highlights

- » Mini receiver can be worn in ear for covertness;
- » Wireless neck loop can be worn behind cloth for covertness;
- » Detachable loop for personal safety;
- » Capable of volume control or PTT/ VOX switch;
- » Long standby time up to 90 hours.



## Specifications

**Speaker specifications**  
 Sensitivity: 103dB@1KHz automatically limited (Max SPL)  
 Distortion (typical): <2%@1KHz

**Microphone specifications**  
 Sensitivity: -42± 3dB@1KHz 3.0V 2.2kΩ, 0dB=1V/Pa  
 Battery operating time (5/5/90): over 90 hours  
 Wireless loop size: φ 4.5\*800mm

**Operating temperature**  
 0°C~40°C

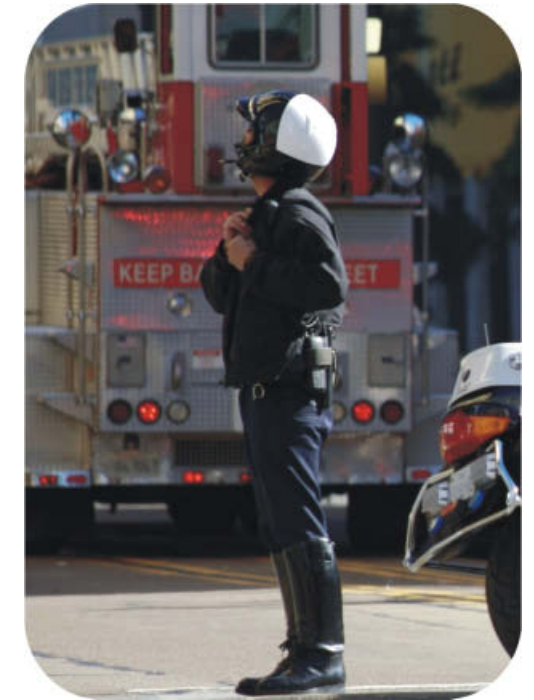
## Applications

- For users engaged in public/personal security.

## Applicable Radios List

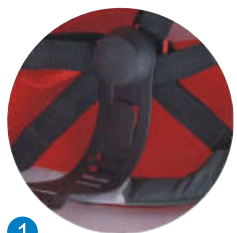
Audio Accessory Jack	Product Model	Applicable Radios	Volume Control	VOX	Remarks
	EWN03	TC-780M, TC3000, TC3600, TC-780, TC-610P, TC-700P and TC-880GM	●	●	The VOX function can be enabled or disabled through the radio.
	EWM03	TC-700, TC-610, TC-620 and POWER446	○	●	Switch between PTT and VOX from the earpiece

Note: "O" indicates that the function is not available; "●" indicates that the function is available. The above VOX shall be programmed. Please refer to the Owner's Manual for specific configuration.



# Bone Conduction Headset (for firefighting)

## Earpiece with On-MIC PTT & Transparent Acoustic Tube



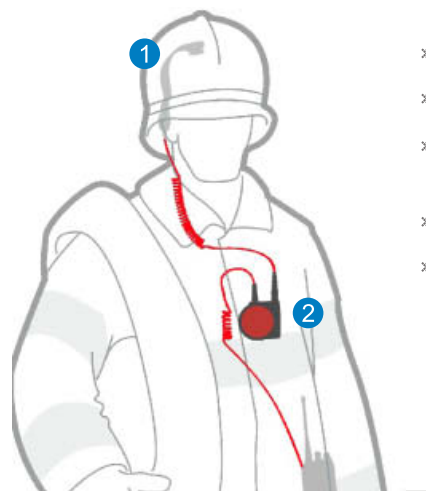
1 Combination with helmet



2 Application illustration of big PTT



2 Waterproof (IP55)



### Highlights

- » Sound is captured through bone vibrations, keeping ambient noise away;
- » Large-sized PTT for enhanced convenience;
- » In-helmet design enables it to work with gas masks properly;
- » Fast connector between conduction parts and PTT enables you to be responsive to any emergency event;
- » PTT complies with IP55 requirements;
- » ATEX-approved optional (Ex ib II C T4).



### Specifications

#### Speaker specifications

Sensitivity: 82 ± 2dB@1KHz (single part, 0.2W/0.5m)  
 Rated power: 200mW Max. power: 500mW  
 Speaker impedance: 32Ω ± 15% @ 1 KHz

#### Microphone specifications

Sensitivity: 45dB below 1vot/G acceleration@1KHz

#### PTT specifications

Weight: about 120g (without metal clip)  
 Size: 76.0\*17.0 (mm)  
 IP class: IP55

#### Operating temperature



-25°C - 85°C



### Applications

- For users (such as the firefighter and miner) who need to wear helmets and masks in harsh situation.

### Applicable Radios List

Audio Accessory Jack	Product Model	Applicable Radios	ATEX Approved	Remarks
	EBM02	TC-700Ex Plus	○	
	EBM02-Ex	TC-700Ex Plus	●	

Note: "O" indicates that the function is not available; "●" indicates that the function is available.



# Remote Speaker Microphone

A remote speaker microphone allows you to listen and speak without removing the radio from your belt. It is an ideal choice for users who work outdoors.

## SM08 Series Remote Speaker Microphone



Audio jack (Φ3.5mm)



### Highlights

- » Easy use and compact body;
- » Affordability and high quality;
- » Φ 3.5mm audio jack  
(for use with receive-only earpiece);
- » 360 degrees swivel metal clip.



Receive-only Earpiece ESS07



Receive-only Earpiece ESS08

### Specifications

Speaker specifications	
Sensitivity:	92 ± 2dB (1W/30cm)@ 300Hz-3KHz AVE
Rated power:	1W Max. power: 2W
Rated impedance:	16Ω ± 15% @ 2 KHz 1V (variable with frequency)

Microphone specifications	
Sensitivity:	-40 ± 3dB @1KHz (0dB= 1V/Pa)
Directionality:	omni-directional
Size:	74.0*58.0*30.0(mm)
Weight:	about 140g
Operating temperature:	-30°C ~ 65°C

### Applications

- For users (such as the traffic policeman) who work outdoors.

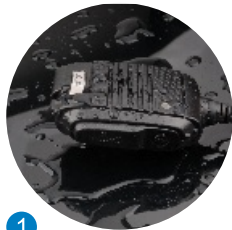


### Applicable Radios List

Audio Accessory Jack	Product Model	Applicable Radios	Volume Control	LED illumination	Emergency
	SM08N1	TC-780M, TC3000, TC3600, TC-780, TC-610P, TC-700P and TC-880GM	○	○	○
	SM08M3	TC-700, TC-610, TC-620, TC-518, TC-580, TC-446S, TC-508 and POWER446	○	○	○
	SM08M2	TC-500, TC-600, TC2110, TC2108 and TC1600	○	○	○
	SM08K1	TC-268, TC-368, TC-268S, TC-368S, TC-265, TC-365, TC-270 and TC-370	○	○	○

Note: "O" indicates that the function is not available; "●" indicates that the function is available. Emergency shall be programmed.

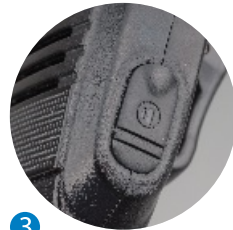
# Remote Speaker Microphones (IP55)



1 Waterproof (IP55)



2 High/low volume control



3 Audio jack (3.5mm)



### Highlights

- » Compliant with IP55 requirements;
- » High/low volume control;
- »  $\Phi$  3.5mm audio jack (for use with receive-only earpiece);
- » 360 degrees swivel metal clip;
- » High quality speaker and noise-canceling microphone enable high audio clarity in noisy environment.



Receive-only Earpiece ESS07



Receive-only Earpiece ESS08

### Specifications

Speaker specifications	
Sensitivity:	91 ± 3dB (1W/30cm)@ 300Hz-3KHz AVE
Rated power:	1W Max. power: 2W
Rated impedance:	16Ω ± 15% @ 1.5 KHz 1V (variable with frequency)
Microphone specifications	
Sensitivity:	-52 ± 3dB @1KHz (0dB=1V/Pa)
Directionality:	unidirectional
Size:	82.0*58.0*27.0(mm)
Weight:	about 141g
Operating temperature:	-30℃~65℃

### Applications

- For users in noisy locations (such as ports and construction sites).

### Applicable Radios List

Audio Accessory Jack	Product Model	Applicable Radios	Volume Control	LED illumination	Emergency
	SM13N5	TC-780M, TC3000, TC3600, TC-780, TC-610P, TC-700P and TC-880GM	●	●	○
	SM13M1	TC-700, TC-610, TC-620 and POWER446	●	○	○

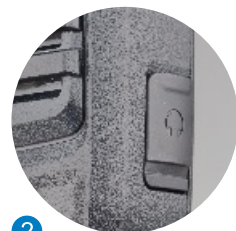
Note: "O" indicates that the function is not available; "●" indicates that the function is available. Emergency shall be programmed.



# Remote Speaker Microphones (IP57)



1 Alarm key



2 Audio jack (Φ 3.5mm)



### Highlights

- » Rugged and durable;
- » Compliant with IP57 requirements;
- » Emergency alarm capability;
- » Φ 3.5mm audio jack (for use with receive-only earpiece);
- » 360 degrees swivel metal clip.



Receive-only Earpiece ESS07



Receive-only Earpiece ESS08

### Specifications

Speaker specifications	
Sensitivity:	90 ± 3dB (1W/30cm)@ 300Hz-3KHz AVE
Rated power:	1W Max. power: 2W
Rated impedance:	8 Ω ± 15% @ 1.5 KHz 1V (variable with frequency)

Microphone specifications	
Sensitivity:	-42 ± 2dB @1KHz (0dB=1V/Pa)
Directionality:	omni-directional


Size:	86.3*62.1*43.8(mm)
Weight:	about 160 g
Operating temperature:	-30℃~65℃

### Applications

- For users (such as the rescuer) who work under adverse conditions.



### Applicable Radios List

Audio Accessory Jack	Product Model	Applicable Radios	Volume Control	LED illumination	Emergency
	SM18N2	PD70X(G) and PD78X(G)	○	○	●
	SM18N1	PT-580	○	○	●
	SM18N3	PT-580H	○	○	●

Note: "O" indicates that the function is not available; "●" indicates that the function is available. Emergency shall be programmed.



# Intrinsically Safe Remote Speaker Microphone



1 Audio jack (Φ3.5mm)



### Highlights

- » Complying with intrinsically safe requirements;
- » Easy operation and compact body;
- » Φ3.5mm audio jack (for use with receive-only earpiece).



Receive-only Earpiece ESS01

### Specifications

Speaker specifications	
Rated impedance:	16 Ω ±15% @1.5KHz 1V
Sensitivity:	92 ±2dB (1W/30cm)@ 300Hz-3KHz AVE
Rated power:	1W Max. power: 2W
Inductor:	Max 80uH@10KHz
Microphone specifications	
Sensitivity:	-42± 3dB @1KHz (0dB= 1V/Pa)
Directionality:	omni-directional
Size:	74.0*58.0*30.0(mm)
Weight:	about 140 g
Operating temperature:	-30°C~65°C

### Applications

- For users who work in a location (such as a chemical plant) with explosive materials.

### Applicable Radios List

Audio Accessory Jack	Product Model	Applicable Radios	Volume Control	LED illumination	Emergency
	SM08M1-Ex	TC-700Ex Plus	○	○	○

Note: "O" indicates that the function is not available; "●" indicates that the function is available. Emergency shall be programmed.



## Power Devices

Chargers are conducive to optimize battery life and operating time. Please use original devices specified by Hytera only.



Charger



Six-unit Charger

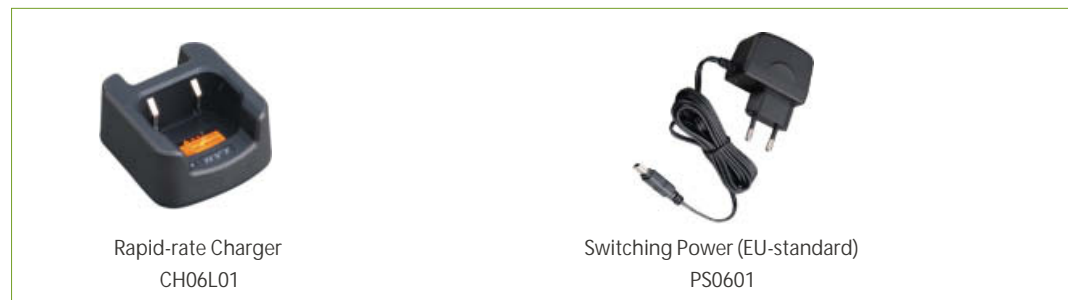


Switching Power

## Chargers

Our chargers have a multi-level protection mechanism, helping you ward off potential charging risks.

### ► Conventional Series



Rapid-rate Charger  
CH06L01

Switching Power (EU-standard)  
PS0601

#### Highlights

Capable of protection against short circuit, overvoltage and overcurrent.

#### Supported Battery

Li-ion & Li-polymer battery

#### Specifications

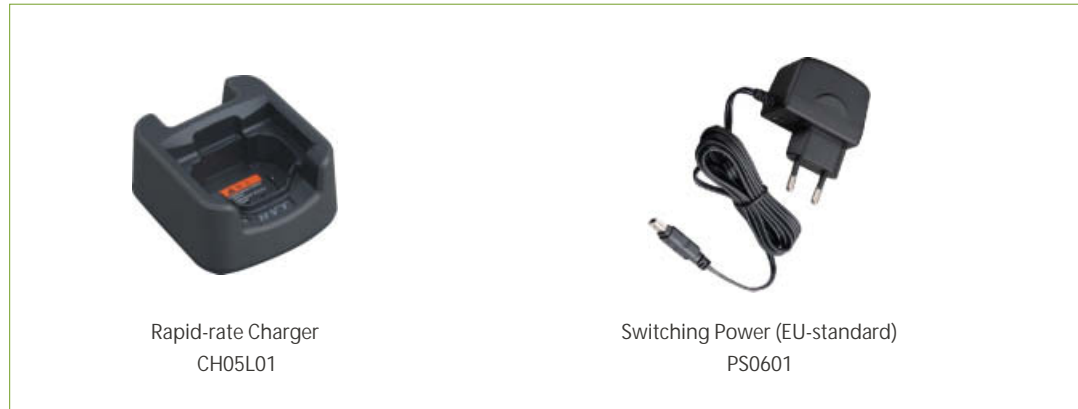
Input: 5VDC 0.6A  
Charge current: 550mA  
Operating temperature: 0°C-40°C

#### Applicable Radios

TC-310

The switching power may vary in different countries or areas:

PS0604	CN-standard (input: 100-240VAC, output: 5VDC/600mA)
PS0601	EU-standard (input: 100-240VAC, output: 5VDC/600mA)
PS0602	US/JP-standard (input: 100-240VAC, output: 5VDC/600mA)
PS0603	UK-standard (input: 100-240VAC, output: 5VDC/600mA)
PS0605	KR-standard (input: 100-240VAC, output: 5VDC/600mA)
PS0607	AU-standard (input: 100-240VAC, output: 5VDC/600mA)



Rapid-rate Charger  
CH05L01

Switching Power (EU-standard)  
PS0601

Highlights

Capable of protection against short circuit, overvoltage and overcurrent.

Supported Battery

Li-ion & Li-polymer battery (single)

Specifications

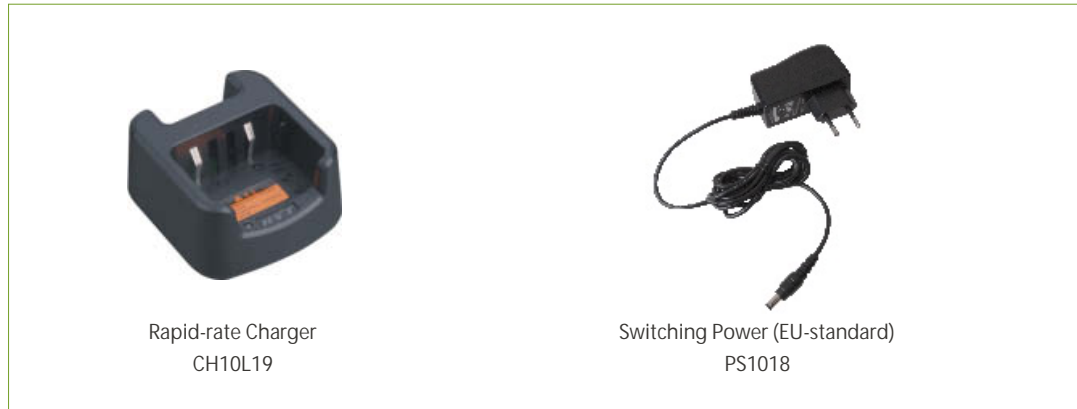
Input: 5VDC 0.6A  
Charge current: 550mA  
Operating temperature: 0°C ~40°C

Applicable Radios

TC-320

The switching power may vary in different countries or areas:

PS0604	CN-standard (input: 100-240VAC, output: 5VDC/600mA)
PS0601	EU-standard (input: 100-240VAC, output: 5VDC/600mA)
PS0602	US/JP-standard (input: 100-240VAC, output: 5VDC/600mA)
PS0603	UK-standard (input: 100-240VAC, output: 5VDC/600mA)
PS0605	KR-standard (input: 100-240VAC, output: 5VDC/600mA)
PS0607	AU-standard (input: 100-240VAC, output: 5VDC/600mA)



Rapid-rate Charger  
CH10L19

Switching Power (EU-standard)  
PS1018

Highlights

Capable of protection against short circuit, overvoltage and overcurrent.

Supported Battery

Li-ion battery

Specifications

Input: 12VDC 1A  
Charge current: 800mA  
Operating temperature: 0°C ~40°C

Applicable Radios

TC-446S, TC-518,  
TC-580 and TC-508

The switching power may vary in different countries or areas:

PS1026	CN-standard (input: 100-240VAC, output: 12VDC/1A)
PS1018	EU-standard (input: 100-240VAC, output: 12VDC/1A)
PS1014	US -standard (input: 100-240VAC, output: 12VDC/1A)
PS1016	UK -standard (input: 100-240VAC, output: 12VDC/1A)
PS1017	AU-standard (input: 100-240VAC, output: 12VDC/1A)
PS1025	KR-standard (input: 100-240VAC, output: 12VDC/1A)
PS1027	JP-standard (input: 100-240VAC, output: 12VDC/1A)





Rapid-rate Charger  
CH10L08

Switching Power (EU-standard)  
PS1018

Highlights

Capable of automatically detecting the current and voltage for charging control.

Supported Battery

Li-ion battery

Specifications

Input: 12VDC 1A  
Charge current: 850mA  
Operating temperature: 0°C~40°C

Applicable Radios

TC3000 and TC3600

The switching power may vary in different countries or areas:

PS1026	CN-standard (input: 100-240VAC, output: 12VDC/1A)
PS1018	EU-standard (input: 100-240VAC, output: 12VDC/1A)
PS1014	US -standard (input: 100-240VAC, output: 12VDC/1A)
PS1016	UK -standard (input: 100-240VAC, output: 12VDC/1A)
PS1017	AU-standard (input: 100-240VAC, output: 12VDC/1A)
PS1025	KR-standard (input: 100-240VAC, output: 12VDC/1A)
PS1027	JP-standard (input: 100-240VAC, output: 12VDC/1A)



Rapid-rate Charger  
CH10L11-Ex

Switching Power  
PS1009

Power Cord (EU-standard)

Highlights

Capable of automatically detecting the current and voltage for charging control.

Supported Battery

Li-ion battery

Specifications

Input: 12VDC 1A  
Charge current: 850mA  
Operating temperature: 0~40°C

Applicable Radios

TC-700Ex Plus

The switching power PS1009 is required, and the power cord sold separately may vary with targeted areas: CN-standard, EU-standard, US-standard, AU-standard, UK-standard, and JP-standard available.

► MCU Series

Incorporating a digital IC chip, MCU charger can adopt battery-specific charging program automatically and adjust the charging pattern as the change in battery voltage and temperature.



MCU Dual-unit Charger  
CH10L13

Switching Power (EU-standard)  
PS1018

Specifications

Input: 12VDC 1A  
Charge current: 1000mA  
Operating temperature: 0~40°C

Supported Battery

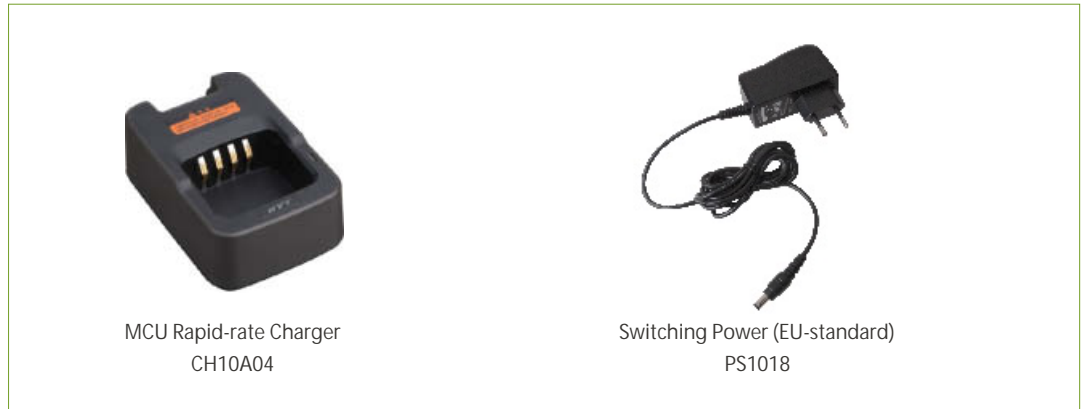
Li-ion battery

Applicable Radios

PT580

The switching power may vary in different countries or areas:

PS1026	CN-standard (input: 100-240VAC, output: 12VDC/1A)
PS1018	EU-standard (input: 100-240VAC, output: 12VDC/1A)
PS1014	US -standard (input: 100-240VAC, output: 12VDC/1A)
PS1016	UK -standard (input: 100-240VAC, output: 12VDC/1A)
PS1017	AU-standard (input: 100-240VAC, output: 12VDC/1A)
PS1025	KR-standard (input: 100-240VAC, output: 12VDC/1A)
PS1027	JP-standard (input: 100-240VAC, output: 12VDC/1A)



MCU Rapid-rate Charger  
CH10A04

Switching Power (EU-standard)  
PS1018

Highlights

Capable of automatically detecting the current and voltage for charging control.

Supported Battery

Li-ion, Li-polymer,  
Ni-MH and Ni-Cd battery

Specifications

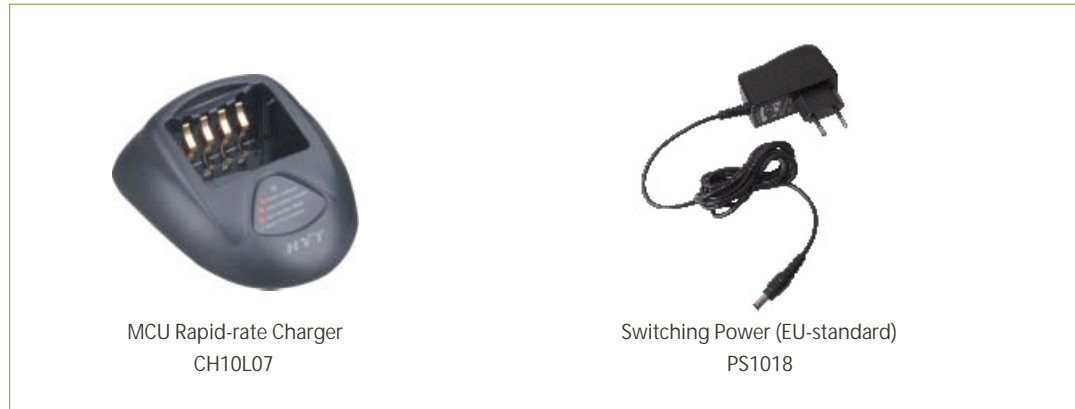
Input: 12VDC 1A  
Charge current: 1000mA  
Operating temperature: 0~40°C

Applicable Radios

PD70X(G), PD78X(G)  
and PT580H

The switching power may vary in different countries or areas:

PS1026	CN-standard (input: 100-240VAC, output: 12VDC/1A)
PS1018	EU-standard (input: 100-240VAC, output: 12VDC/1A)
PS1014	US -standard (input: 100-240VAC, output: 12VDC/1A)
PS1016	UK -standard (input: 100-240VAC, output: 12VDC/1A)
PS1017	AU-standard (input: 100-240VAC, output: 12VDC/1A)
PS1025	KR-standard (input: 100-240VAC, output: 12VDC/1A)
PS1027	JP-standard (input: 100-240VAC, output: 12VDC/1A)



MCU Rapid-rate Charger  
CH10L07

Switching Power (EU-standard)  
PS1018

Specifications

Input: 12VDC 1A  
Charge current: 850mA  
Operating temperature: 0~40°C

Supported Battery

Li-ion, Ni-MH and  
Ni-Cd battery

Applicable Radios

TC-700, TC-780M,  
TC-780 and TC-700P

The switching power may vary in different countries or areas:

PS1026	CN-standard (input: 100-240VAC, output: 12VDC/1A)
PS1018	EU-standard (input: 100-240VAC, output: 12VDC/1A)
PS1014	US -standard (input: 100-240VAC, output: 12VDC/1A)
PS1016	UK -standard (input: 100-240VAC, output: 12VDC/1A)
PS1017	AU-standard (input: 100-240VAC, output: 12VDC/1A)
PS1025	KR-standard (input: 100-240VAC, output: 12VDC/1A)
PS1027	JP-standard (input: 100-240VAC, output: 12VDC/1A)



MCU Rapid-rate Charger  
CH10L18

Switching Power (EU-standard)  
PS1018

Specifications

Input: 12VDC 1A  
Charge current: 1000mA  
Operating temperature: 0~40°C

Supported Battery

Li-ion battery

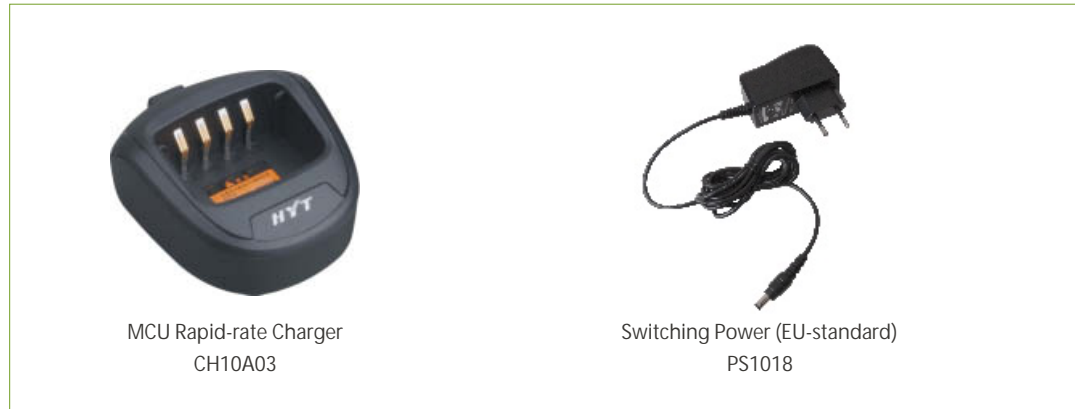
Applicable Radios

TC-880GM

The switching power may vary in different countries or areas:

PS1026	CN-standard (input: 100-240VAC, output: 12VDC/1A)
PS1018	EU-standard (input: 100-240VAC, output: 12VDC/1A)
PS1014	US -standard (input: 100-240VAC, output: 12VDC/1A)
PS1016	UK -standard (input: 100-240VAC, output: 12VDC/1A)
PS1017	AU-standard (input: 100-240VAC, output: 12VDC/1A)
PS1025	KR-standard (input: 100-240VAC, output: 12VDC/1A)
PS1027	JP-standard (input: 100-240VAC, output: 12VDC/1A)





MCU Rapid-rate Charger  
CH10A03

Switching Power (EU-standard)  
PS1018

Specifications

Input: 12VDC 1A  
Charge current: 850mA  
Operating temperature: 0~40°C

Supported Battery

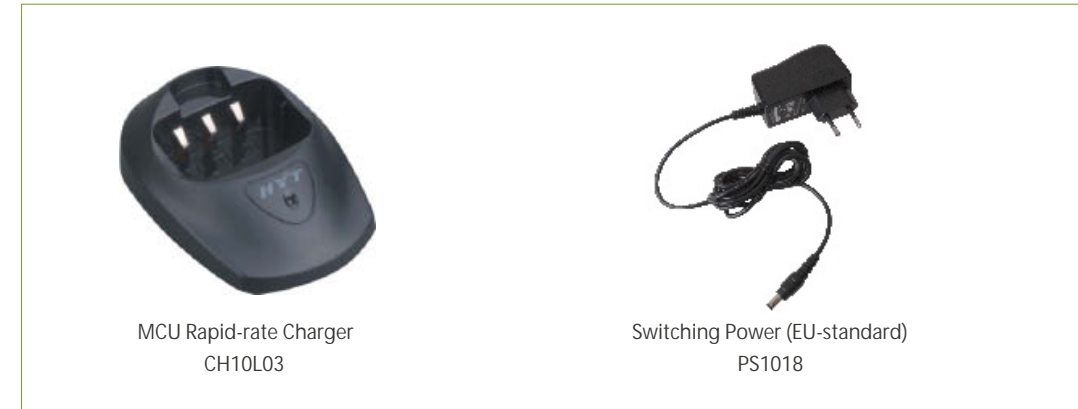
Li-ion, Li-polymer,  
Ni-MH and Ni-Cd battery

Applicable Radios

TC-610, TC-620,  
TC-610P, POWER446

The switching power may vary in different countries or areas:

PS1026	CN-standard (input: 100-240VAC, output: 12VDC/1A)
PS1018	EU-standard (input: 100-240VAC, output: 12VDC/1A)
PS1014	US -standard (input: 100-240VAC, output: 12VDC/1A)
PS1016	UK -standard (input: 100-240VAC, output: 12VDC/1A)
PS1017	AU-standard (input: 100-240VAC, output: 12VDC/1A)
PS1025	KR-standard (input: 100-240VAC, output: 12VDC/1A)
PS1027	JP-standard (input: 100-240VAC, output: 12VDC/1A)



MCU Rapid-rate Charger  
CH10L03

Switching Power (EU-standard)  
PS1018

Specifications

Input: 12VDC 1A  
Charge current: 850mA  
Operating temperature: 0~40°C

Supported Battery

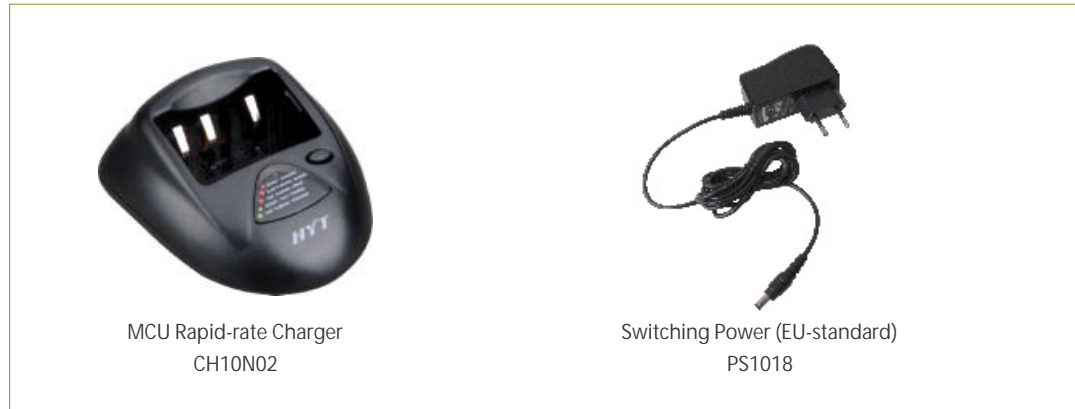
Li-ion battery

Applicable Radios

TC-600

The switching power may vary in different countries or areas:

PS1026	CN-standard (input: 100-240VAC, output: 12VDC/1A)
PS1018	EU-standard (input: 100-240VAC, output: 12VDC/1A)
PS1014	US -standard (input: 100-240VAC, output: 12VDC/1A)
PS1016	UK -standard (input: 100-240VAC, output: 12VDC/1A)
PS1017	AU-standard (input: 100-240VAC, output: 12VDC/1A)
PS1025	KR-standard (input: 100-240VAC, output: 12VDC/1A)
PS1027	JP-standard (input: 100-240VAC, output: 12VDC/1A)



MCU Rapid-rate Charger  
CH10N02

Switching Power (EU-standard)  
PS1018

Specifications

Input: 12VDC 1A  
Charge current: 850mA  
Operating temperature: 0~40°C

Supported Battery

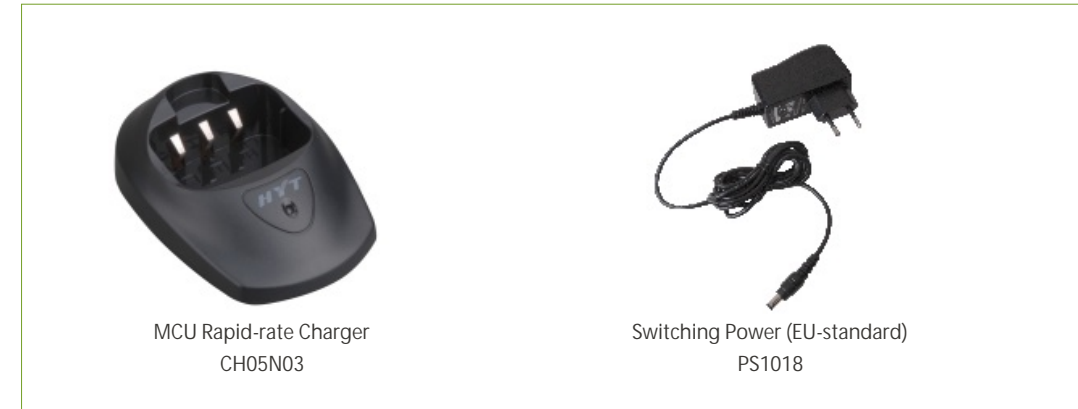
Ni-MH & Ni-Cd battery

Applicable Radios

TC-268S, TC-368S,  
TC-265, TC-365,  
TC-270 and TC-370

The switching power may vary in different countries or areas:

PS1026	CN-standard (input: 100-240VAC, output: 12VDC/1A)
PS1018	EU-standard (input: 100-240VAC, output: 12VDC/1A)
PS1014	US -standard (input: 100-240VAC, output: 12VDC/1A)
PS1016	UK -standard (input: 100-240VAC, output: 12VDC/1A)
PS1017	AU-standard (input: 100-240VAC, output: 12VDC/1A)
PS1025	KR-standard (input: 100-240VAC, output: 12VDC/1A)
PS1027	JP-standard (input: 100-240VAC, output: 12VDC/1A)



MCU Rapid-rate Charger  
CH05N03

Switching Power (EU-standard)  
PS1018

Specifications

Input: 12VDC 1A  
Charge current: 850mA  
Operating temperature: 0~40°C

Supported Battery

Ni-MH & Ni-Cd battery

Applicable Radios

TC-500

The switching power may vary in different countries or areas:

PS1026	CN-standard (input: 100-240VAC, output: 12VDC/1A)
PS1018	EU-standard (input: 100-240VAC, output: 12VDC/1A)
PS1014	US -standard (input: 100-240VAC, output: 12VDC/1A)
PS1016	UK -standard (input: 100-240VAC, output: 12VDC/1A)
PS1017	AU-standard (input: 100-240VAC, output: 12VDC/1A)
PS1025	KR-standard (input: 100-240VAC, output: 12VDC/1A)
PS1027	JP-standard (input: 100-240VAC, output: 12VDC/1A)

# Six-unit Chargers

This kind of charger allows you to charge six batteries or six radios with battery attached simultaneously, bringing you a set of benefits including high charging efficiency, extended battery life and flexible installation.

## Conventional Six-unit Charger



### Highlights

- » Capable of charging six batteries or six radios with batteries attached simultaneously;
- » Auto selection of charging program based on battery type;
- » Intelligently monitoring the charging process;
- » Equipped with multiple charging protection mechanisms;
- » Available for wall and desktop installation;
- » Switching power and power cord (variable in different countries or areas ) included in the kit.

### Application

Hospitality, retailing and other industries where intense charging services are required.

### Specifications

- » Input voltage: 100-240VAC 50/60Hz 1.5A
- » Charge current: 1000mA (per pocket)
- » Size: 474.5\*107.3\*65.9 (mm)
- » Weight: about 1.5kg

### Applicable Radios List

Model	Applicable Radios	Supported Battery	Charging Duration
MCA06	PD78X(G),PD70X(G) and PT580H	Li-ion battery	2000mAh battery: About 3.5 hours
MCA03	TC-700,TC-780M, TC-780 and TC-700P	Li-ion, Li-polymer, Ni-MH and Ni-Cd battery	1700mAh battery: About 3 hours 2100mAh battery: About 3.5 hours
MCA02	TC-610,TC-620 and TC-610P	Li-ion, Li-polymer, Ni-MH and Ni-Cd battery	1200mAh battery: About 2 hours 2000mAh battery: About 3.5 hours
MCL11	TC-600,TC2110 and TC2108	Li-ion battery	1200mAh battery: About 2 hours
MCN05	TC-500	Ni-MH and Ni-Cd battery	1000mAh battery: About 1.5 hours

## Battery Optimizing System

### Highlights

- » Workable with different radios by replacing the pocket (sold separately);
- » Able to charge six batteries or six radios with batteries attached simultaneously;
- » Easy access to battery information with the LCD;
- » Able to recondition;
- » Charging/discharging and battery strength detection;
- » Protection against overtemperature, overvoltage and overcurrent;
- » USB port available;
- » Pre-charge capability.

### Application

For government agency, radio service center and radio rental shop where battery maintenance services are required.

### Specifications

- » Input voltage: 100~240VAC 50/60Hz 1.5A
- » Charge current: 1000mA (per pocket)
- » Size: 524.0\*218.0\*103.0 (mm)
- » Weight: 1.8kg



### Applicable Radios List

Model	Applicable Radios
MCA05	PD78X(G), PD70X(G) and PT580H
MCA05-A1	TC-700, TC-780, TC-780M and TC-700P
MCA05-G1	TC-880GM



# Switching Power

## Six-unit Switching Power

This kind of charger allows you to charge six batteries or six radios with battery attached simultaneously, bringing you a set of benefits, including high charging efficiency, extended battery life and flexible installation.



Six-unit Switching Power



Application Demo

### Highlights

- » Capable of overvoltage, overcurrent and short circuit protection;
- » Compatible with most of our radios.

### Application

Hospitality, retailing, property management and other industries where intense communication activities are present.

### Applicable Radios List

Model	Output	Requirement	Applicable Radios
PS7002	12VDC/7A	Work with a charger	TC-268S, TC-368S, TC-270, TC-370, TC-518, TC-600, TC2110, TC2108, TC-700, TC-780M, TC3000, TC3600, TC-610, TC-620, TC-780, TC-700P, TC-610P, TC-880GM, TC-580, TC-446S, POWER446, TC-508, PD78X(G), PD70X(G), PT580H and PT580
PS4001	5VDC/4A	Work with a charger or radio	TC-320 and TC-310

## Vehicle Power Adapter

Powered by the vehicle lighter, this device can operate with a desktop charger to charge your battery, giving sufficient power to your outdoor work with easy operation and sound reliability.



Vehicle Power Adapter CHV09



Vehicle Power Adapter Pv1001

### Highlights

- » Voltage input: 11V~25VDC;
- » Capable of overvoltage and overcurrent protection.

### Application

Users who drive to work outdoors.

### Applicable Radios List

Model	Output	Requirement	Applicable Radios
CHV09	12VDC/1A	Work with a charger	TC-268S, TC-368S, TC-270, TC-370, TC-518, TC-600, TC2110, TC2108, TC-700, TC-780M, TC3000, TC3600, TC-610, TC-620, TC-780, TC-700P, TC-610P, TC-880GM, TC-580, TC-446S, POWER446, TC-508, PD78X(G), PD70X(G), PT580H and PT580
PV1001	5VDC/1A	Work with a charger or radio	TC-320 and TC-310

## Batteries

Certified by rigorous environmental and life test, our batteries can facilitate your radio performance.



For Business Radios



For Professional Radios



For Ex-protection Radios

## For Business Radios



BL1716

Nominal capacity	1700mAh
Battery type	Li-ion
Nominal voltage	3.7V
Applicable radio	TC-310
Operating time (5/5/90)	>10.0h (variable with frequency)
Life cycle	≥ 400 times
Size	86.0*48.0*16.0 (mm)
Weight	about 57.0g
Operating temperature	0~40°C (charge)/-20~60°C (discharge)



BL1715

Nominal capacity	1700mAh
Battery type	Li-ion
Nominal voltage	3.7V
Applicable radio	TC-320
Operating time (5/5/90)	>10.0h (variable with frequency)
Life cycle	≥ 400 times
Size	53.5*34.2*10.7 (mm)
Weight	about 36.5g
Operating temperature	0~40°C (charge)/-20~60°C (discharge)



BH1102

Nominal capacity	1100mAh
Battery type	Ni-MH
Nominal voltage	7.2V
Applicable radios	TC-268S, TC-368S, TC-265, TC-365
Operating time (5/5/90)	about 8.0h (variable with frequency)
Life cycle	≥ 400 times
Size	110.0*58.5*17.4 (mm)
Weight	about 167.1g
Operating temperature	0~40°C (charge)/-20~60°C (discharge)



BH1502

Nominal capacity	1500mAh
Battery type	Ni-MH
Nominal voltage	7.2V
Applicable radios	TC-268S, TC-368S, TC-265, TC-365
Operating time (5/5/90)	about 10.0h (variable with frequency)
Life cycle	≥ 400 times
Size	110.0*58.5*17.4 (mm)
Weight	about 190.3g
Operating temperature	0~40°C (charge)/-20~60°C (discharge)



BH1104

Nominal capacity	1100mAh
Battery type	Ni-MH
Nominal voltage	6.0V
Applicable radio	TC-500
Operating time (5/5/90)	about 8.0h (variable with frequency)
Life cycle	≥ 400 times
Size	93.0*54.2*19.7 (mm)
Weight	about 134.5g
Operating temperature	0~40°C(charge)/-20~60°C(discharge)



BH1302

Nominal capacity	1300mAh
Battery type	Ni-MH
Nominal voltage	6.0V
Applicable radio	TC-500
Operating time (5/5/90)	>10.0h (variable with frequency)
Life cycle	≥ 400 times
Size	93.0*54.2*19.7 (mm)
Weight	about 141g
Operating temperature	0~40°C(charge)/-20~60°C(discharge)



BL1203

Nominal capacity	1250mAh
Battery type	Li-ion
Nominal voltage	7.4V
Applicable radio	TC-600
Operating time (5/5/90)	>9.0h (variable with frequency)
Life cycle	≥ 400 times
Size	98.9*54.2*18.9 (mm)
Weight	about 91.0g
Operating temperature	0~40°C(charge)/-20~60°C(discharge)



BH1303

Nominal capacity	1300mAh
Battery type	Ni-MH
Nominal voltage	7.2V
Applicable radios	TC-610, TC-620, TC-610PPOWER446
Operating time (5/5/90)	>9.0h (variable with frequency)
Life cycle	≥ 400 times
Size	102.0*55.0*19.0 (mm)
Weight	about 153.6g
Operating temperature	0~40°C(charge)/-20~60°C(discharge)



BL1719

Nominal capacity	1650mAh
Battery type	Li-ion
Nominal voltage	7.4V
Applicable radios	TC-518, TC-580, TC-446S, TC-508
Operating time (5/5/90)	>12.0h (variable with frequency)
Life cycle	> 400 times
Size	91.8*53.7*18.5 (mm)
Weight	about 101.3g
Operating temperature	0~40°C(charge)/-20~60°C(discharge)



BL1301

Nominal capacity	1300mAh
Battery type	Li-ion
Nominal voltage	7.4V
Applicable radios	TC-510, TC-585, TC-446S, TC-508
Operating time (5/5/90)	>10.0h (variable with frequency)
Life cycle	≥ 400 times
Size	91.8*53.7*16.0 (mm)
Weight	about 87.8g
Operating temperature	0~40°C(charge)/-20~60°C(discharge)



BL1204

Nominal capacity	1200mAh
Battery type	Li-ion
Nominal voltage	7.4V
Applicable radios	TC-610, TC-620, TC-610P, POWER446
Operating time (5/5/90)	>9.0h (variable with frequency)
Life cycle	≥ 400 times
Size	102.0*55.0*16.0 (mm)
Weight	about 87.0g
Operating temperature	0~40°C(charge)/-20~60°C(discharge)
IP class	IP56



BL2001

Nominal capacity	2000mAh
Battery type	Li-ion
Nominal voltage	7.4V
Applicable radios	TC-610, TC-620, TC-610P, POWER446
Operating time (5/5/90)	>14.0h (variable with frequency)
Life cycle	≥ 400 times
Size	102.0*55.0*19.0 (mm)
Weight	about 118.3g
Operating temperature	0~40°C(charge)/-20~60°C(discharge)
IP class	IP56



# For Professional Radios



BL1711

Nominal capacity	1700mAh
Battery type	Li-ion
Nominal voltage	7.4V
Applicable radios	TC3000 and TC3600
Operating time (5/5/90)	about 12.0h (variable with frequency)
Life cycle	≥ 400 times
Size	96.5*56.5*18.5 (mm)
Weight	about 107.1g
Operating temperature	0-40°C (charge)/-20-60°C (discharge)



BL1703

Nominal capacity	1700mAh
Battery type	Li-ion
Nominal voltage	7.4V
Applicable radios	TC-700 and TC-700P (belt clip BC08 required) TC-780 and TC-780M (belt clip BC19 required)
Operating time (5/5/90)	>9.5h (variable with frequency)
Life cycle	≥ 400 times
Size	107.0*54.0*17.0 (mm)
Weight	about 126.0g
Operating temperature	0-40°C (charge)/-20-60°C (discharge)



BH1801

Nominal capacity	1800mAh
Battery type	Ni-MH
Nominal voltage	7.2V
Applicable radio	TC-700, TC-780, TC-780M and TC-700P (belt clip BC09 required)
Operating time (5/5/90)	>10.0h (variable with frequency)
Life cycle	≥ 400 times
Size	107.0*54.0*20.0 (mm)
Weight	about 213.5g
Operating temperature	0-40°C(charge)/-20-60°C(discharge)



BL2102

Nominal capacity	2100mAh
Battery type	Li-ion
Nominal voltage	7.4V
Applicable radios	TC-700, TC-780, TC-780M and TC-700P (belt clip BC09 required)
Operating time (5/5/90)	>12.0h (variable with frequency)
Life cycle	≥ 400 times
Size	107.0*54.0*20.0 (mm)
Weight	about 135.8g
Operating temperature	0-40°C (charge)/-20-60°C (discharge)



BL2504

Nominal capacity	2500mAh
Battery type	Li-ion
Nominal voltage	7.4V
Applicable radios	TC-700, TC-780, TC-780M and TC-700P (belt clip BC08 required)
Operating time (5/5/90)	>14.0h (variable with frequency)
Life cycle	≥ 400 times
Size	107.0*54.0*22.8(mm)
Weight	about 140g
Operating temperature	0-40°C (charge)/-20-60°C (discharge)



BL1806

Nominal capacity	1800mAh
Battery type	Li-ion
Nominal voltage	7.4V
Applicable radio	PT580H
Operating time (5/5/90)	>16.0h (variable with frequency)
Life cycle	≥ 400 times
Size	114.3*56.2*18.3 (mm)
Weight	about 115g
Operating temperature	0-40°C (charge)/-20-60°C (discharge)
IP class	IP57



BL2404

Nominal capacity	2400mAh
Battery type	Li-ion
Nominal voltage	7.4V
Applicable radio	TC-880GM
Operating time (5/5/90)	about 10.0h (variable with frequency)
Life cycle	≥ 400 times
Size	118.2*56.6*19.2 (mm)
Weight	about 137.7g
Operating temperature	0-40°C (charge)/-20-60°C (discharge)



BL1805

Nominal capacity	1800mAh
Battery type	Li-ion
Nominal voltage	3.7V
Applicable radio	PT580
Operating time (5/5/90)	>10.0h (variable with frequency)
Life cycle	≥ 400 times
Size	90.6*54.0*14.0 (mm)
Weight	about 63.3g
Operating temperature	0-40°C (charge)/-20-60°C (discharge)
IP class	IP56



BL3201

Nominal capacity	3200mAh
Battery type	Li-ion
Nominal voltage	3.7V
Applicable radio	PT580
Operating time (5/5/90)	about 18.5h (variable with frequency)
Life cycle	≥ 400 times
Size	90.6*54.0*21.1 (mm)
Weight	about 103.3g
Operating temperature	0~40°C (charge)/-20~60°C (discharge)
IP class	IP56



BL2006

Nominal capacity	2000mAh
Battery type	Li-ion
Nominal voltage	7.4V
Applicable radios	PD70X(G) and PD78X(G)
Operating time (5/5/90)	>10.5h for analog mode or > 14.0h for digital mode (variable with frequency)
Life cycle	≥ 400 times
Size	106.4*56.3*18.4 (mm)
Weight	about 121.9g
Operating temperature	0~40°C (charge)/-20~60°C (discharge)



BL2503

Nominal capacity	2500mAh
Battery type	Li-ion
Nominal voltage	7.4V
Applicable radios	PD70X(G) and PD78X(G)
Operating time (5/5/90)	>13.0h for analog mode or > 17.0h for digital mode (variable with frequency)
Life cycle	≥ 400 times
Size	106.4*56.3*24.3 (mm)
Weight	about 145g
Operating temperature	0~40°C (charge)/-20~60°C (discharge)

# For Ex-protection Radios



BL1703-Ex(ATEX)

Nominal capacity	1700mAh
Battery type	Li-ion
Nominal voltage	7.4V
Applicable radio	TC-700Ex Plus
Operating time (5/5/90)	about 14.0h (variable with frequency)
Life cycle	≥ 400 times
Size	107.0*54.0*20.0 (mm)
Weight	about 274.0g
Operating temperature	0~40°C (charge)/-20~60°C (discharge)
Certified by	ATEX



BL1703-Ex(FM)

Nominal capacity	1700mAh
Battery type	Li-ion
Nominal voltage	7.4V
Applicable radio	TC-700Ex Plus
Operating time (5/5/90)	about 14.0h (variable with frequency)
Life cycle	≥ 400 times
Size	107.0*54.0*20.0 (mm)
Weight	about 274.0g
Operating temperature	0~40°C (charge)/-20~60°C (discharge)
Certified by	FM

## Carrying Accessories

The combined use of audio and carry accessories can enhance the portability and accessibility of your radio. By taking actual requirements into account, we provide a package of helpful accessories, including carrying case, chest pack, waterproof bag, belt clip, strap and the like.



Leather Case



Belt Clip



Strap

## Carrying Case

The case is made of leather, PU or nylon, meeting the actual requirements of users at all levels.

### ► Leather Case

This kind of case features remarkable wearability. It can defend your radio against scrape or scratch on the move.

LCY003



#### Highlights

- » Soft leather makes it comfortable to wear;
- » D-type buckle and rotatable belt loop enable you to install the case easily (just by rotating the radio);
- » The standard nylon strap gives you more flexibility of wearing.

#### Applicable Radios

PD70X(G), PD78X(G), PT580H and PT580 (with 3200mAh Li-ion battery)

#### Specifications

- » Material: cowhide
- » Size: 132.0\*58.0\*47.0 (mm)
- » Weight: about 146.0g
- » Operating temperature: -40~55°C

LCY002



#### Highlights

- » Soft leather makes it comfortable to wear;
- » D-type buckle and rotatable belt loop enable you to install the case easily (just by rotating the radio);
- » The standard nylon strap gives you more flexibility of wearing.

#### Applicable Radios

PT580 (with 1800mAh Li-ion battery)

#### Specifications

- » Leather type: cowhide
- » Size: 132.0\*62.0\*38.0 (mm)
- » Weight: about 150.0g
- » Operating temperature: -40~55°C

LCBN41



#### Highlights

- » Tough leather ensures you remarkable wearability;
- » D-type buckle and rotatable belt loop enable you to install the case easily (just by rotating the radio);
- » The standard nylon strap gives you more flexibility of wearing.

#### Applicable Radios

TC-700 (with 1700mAh Li-ion battery)

#### Specifications

- » Material: cowhide
- » Size: 130.0\*68.5\*48.5 (mm)
- » Weight: about 215.0g
- » Operating temperature: -40~55°C

LCBN42



#### Highlights

- » Tough leather ensures you remarkable wearability;
- » D-type buckle and rotatable belt loop enable you to install the case easily (just by rotating the radio);
- » The standard nylon strap gives you more flexibility of wearing.

#### Applicable Radios

TC-700 (with 2100mAh Li-ion/1800 Ni-MH battery)

#### Specifications

- » Material: cowhide
- » Size: 130.0\*68.5\*54.5 (mm)
- » Weight: about 246.0g
- » Operating temperature: -40~55°C

LCBY22



#### Highlights

- » Tough leather ensures you remarkable wearability;
- » D-type buckle and rotatable belt loop enable you to install the case easily (just by rotating the radio);
- » The standard nylon strap gives you more flexibility of wearing.

#### Applicable Radios

TC-780M and TC-780

#### Specifications

- » Material: cowhide
- » Size: 130.0\*71.0\*56.0 (mm)
- » Weight: 214.0g
- » Operating temperature: -40~55°C

LCBN57



#### Highlights

- » Designed for EX-protection products (intrinsically safe);
- » Tough leather ensures you remarkable wearability;
- » Elastic clip (not rotatable);
- » 100% cotton wards off static interference.

#### Applicable Radios

TC-700Ex Plus

#### Specifications

- » Material: cowhide
- » Size: 143.0\*69.0\*50.0 (mm)
- » Weight: about 171.0g
- » Operating temperature: -40~55°C



### ► PU Case

PU case features decent appearance and great economy.

PCN003



#### Highlights

- » Soft texture and compact body;
- » Elastic clip (not rotatable);

#### Applicable Radios

TC-320

#### Specifications

- » Material: PU (polyurethane)
- » Size: 101.0\*58.0\*28.0 (mm)
- » Weight: 28.4g
- » Operating temperature: -25~55°C

### ► Nylon Case

Benefiting from the use of high-strength nylon, this kind of case can deliver exceptional performance in water resistance, wearability and affordability.

NCN001



#### Highlights

- » Half-open design for easy installation;
- » Back-lock belt loop for easy use;
- » The standard nylon strap gives you more flexibility of wearing.

#### Applicable Radios

TC-500, TC-600, TC-610, TC-620, TC-610P, Tc2110, TC-2108, TC-518, TC-446S, TC-508, POWER446 and TC-446

#### Specifications

- » Material: nylon
- » Size: 120.0\*60.0\*38.0 (mm)
- » Weight: 87.2g
- » Operating temperature: -25~55°C

NCN002



#### Highlights

- » Half-open design for easy installation;
- » Back-lock belt loop for easy use;
- » The standard nylon strap gives you more flexibility of wearing.

#### Applicable Radios

TC-268S, TC-368S, TC-265, TC-365 and TC-700

#### Specifications

- » Material: nylon
- » Size: 136.0\*68.0\*40.0 (mm)
- » Weight: 60.6g
- » Operating temperature: -25~55°C

### ► Others

Waterproof Bag  
LCYY02



#### Highlights

- » 2-layer frosted PVC for comfortable texture;
- » The interlined sponge provides extra protection for the terminal;
- » Simple operation with higher reliability;
- » Applicable to use in rainy days or in damp locations, but no submerging is allowed;
- » The standard nylon strap gives you more flexibility of wearing.

#### Applicable Radios

All except for small-sized radios.

#### Specifications

- » Material: PVC (with interlined sponge)
- » Size: 435.0\*110.0\*214.0 (mm)
- » Weight: 41.6g
- » Operating temperature: 0~50°C

Nylon Chest Pack  
LCBN13



#### Highlights

- » Adjustable strap for enhanced comfort;
- » Designed for users (such as the policeman) who need to carry the radio and other tools.

#### Applicable Radios

All except for small-sized radios.

#### Specifications

- » Material: nylon (1680D)
- » Size: 223.0\*184.0 (mm)
- » Weight: 277.8g
- » Operating temperature: -25~55°C

# Belt Clip



### Product Model

**BC09**  
A plastic belt clip with elastic metal bracket. You can attach it to the battery easily via the slot on the back.

### Applicable Radios

TC-268S, TC-368S, TC-265, TC-365, TC-270, TC-370, TC-700, TC-780M, TC-780, TC-700P, TC-700Ex Plus, TC3000 and TC3600.



### Product Model

**BC08**  
A plastic belt clip with elastic metal bracket. You can secure it to the radio via screws.

### Applicable Radios

TC-700, TC-700P and PT580H



### Product Model

**BC19**  
A plastic belt clip with elastic metal bracket. You can secure it to the radio via screws.

### Applicable Radios

PD70X(G), PD78X(G), TC-780, TC-780M and TC-880GM



### Product Model

**BC17**  
A plastic belt clip with elastic metal bracket. You can secure it to the radio via screws.

### Applicable Radios

PT580



### Product Model

**BC12**  
A plastic belt clip with elastic metal bracket. You can secure it to the radio via screws.

### Applicable Radios

TC-610, TC-620, TC-610P, TC-518, TC-446S, TC-580, TC-508 and POWER446



### Product Model

**BC11**  
A plastic belt clip with elastic metal bracket. You can attach it to the battery easily via the slot on the back.

### Applicable Radios

TC-600 and TC1600



### Product Model

**BC10**  
A plastic belt clip with elastic metal bracket. You can attach it to the battery easily via the slot on the back.

### Applicable Radios

TC-500, TC2110 and TC2108



### Product Model

**BC16**  
A plastic belt clip with elastic metal bracket. You can secure it to the radio via screws.

### Applicable Radios

TC-310 and TC-320

# Strap



### Product Model

R001  
Nylon neck strap

### Applicable Radios

TC1688, TC-310 and TC-320



### Product Model

R005  
Nylon hand strap

### Applicable Radios

TC-268S, TC-368S, TC-265,  
TC-365, TC-500 and TC-446



### Product Model

R003  
Nylon hand strap

### Applicable Radios

TC-600, TC-610, TC-620,  
TC-610P, TC1600, TC-518,  
TC-580, TC-446S, TC-508  
and POWER446



### Product Model

R004  
Leather hand strap

### Applicable Radios

TC-700, TC-780M, TC-700Ex Plus,  
TC3000, TC3600, TC-780, TC-700P,  
TC-880GM, PD70X(G), PD78X(G),  
PT580 and PT580H

## Programming Cable

You can use a programming cable to write or read data into or from radios. One end of the cable connects with a radio and the other connects with a computer. All configurations are done via the CPS (customer programming software). There are two ports available: USB and COM.



Programming Cable

# Programming Cable



Programming Cable  
(USB to serial port)

### Product Overview

With a built-in PL2303 USB chip, the cable supports "plug and play" capability and can work in Win98/ME/2000/XP/Vista/Win7. Note that PL2303 driver is required before initial use.

Product Model	Applicable Radios
PC25	TC3000, TC3600, TC-780M, TC-780, TC-610P, TC-700P and TC-880GM
PC26	TC-500, TC-518, TC-600, TC-580, TC-446S, TC2110, TC2108, TC1600, TC-700, TC-610, TC-620 and TC-700 Ex Plus
PC27	TC-268S, TC-368S, TC-265, TC-365, TC-270 and TC-370
PC30	TC-320 and TC-310
PC36	PT580 and PT580H



Programming Cable  
(USB port) PC38

### Product Overview

The cable supports "plug and play" capability.

### Applicable Radios

PD70X(G) and PD78X(G)



Programming Cable  
(COM port)

### Product Overview

The cable supports RS232 communication protocol and features high reliability.

Product Model	Applicable Radios
PC18	TC3000, TC3600, TC-780M, TC-780, TC-610P, TC-700P and TC-880GM
PC19	TC-500, TC-518, TC-600, TC-580, TC-446S, TC2110, TC2108, TC1600, TC-700, TC-610, TC-620 and TC-700Ex Plus
PC23	TC-268S, TC-368S, TC-265, TC-365, TC-270 and TC-370

# Portable Antennas

Each antenna is designed to meet rigid quality standard, and tested to deliver maximum power and performance in various environments.



Flexible Whip Antenna



Helical Antenna



## Flexible Whip Antennas

Flexible whip antenna with a one-piece finish, steel core and spiral wound conductor features optimal radiation characteristics to ensure maximum communication range.

Flexible Whip Antenna



Model and Name	Applicable Radios
AN0415W06 UHF Thin and Long Antenna SMA Connector 400-430MHz	TC-500, TC-268S, TC-368S, TC-518, TC-508, TC-600, TC-610, TC-620, TC-610P,
AN0425W02 UHF Thin and Long Antenna SMA Connector 400-450MHz	TC-500, TC-508, TC-610, TC-620, TC-700, TC-780, TC-780M, TC-700P, TC-700Ex Plus
AN0460W08 UHF Thin and Long Antenna SMA Connector 450-470MHz	TC-500
AN0460W16 UHF Thin and Long Antenna SMA Connector 440-470MHz	TC-268S, TC-368S, TC-518, TC-508, TC-508, TC-600, TC-610, TC-620, TC-610P
AN0445W01 UHF Thin and Long Antenna SMA Connector 420-470MHz	TC-700, TC-780, TC-780M, TC-700P, TC-700Ex Plus
AN0465W01 UHF Thin and Long Antenna SMA Connector 440-490MHz	TC-700, TC-780, TC-780M, TC-700P, TC-700Ex Plus
AN0480W03 UHF Thin and Long Antenna SMA Connector 470-490MHz	TC-268S, TC-368S, TC-600, TC-610, TC-620
AN0495W03 UHF Thin and Long Antenna SMA Connector 470-520MHz	TC-268S, TC-368S, TC-518, TC-700, TC-780, TC-780M, TC-700P, TC-700Ex Plus

## Helical Antennas

Helical antennas with helical brass core are durable and reliable for years of safe communication. Especially these stubby helical antennas are ideal when the radio is worn on the belt because they are short and non-obtrusive.

Stout and Long Helical Antenna



Model and Name	Applicable Radios
AN0143H04 VHF Stout and Long Antenna SMA Connector 136-150MHz	TC-500, TC-268S, TC-368S, TC-518, TC-580, TC-610, TC-620, TC-700, TC-780, TC-780M, TC-700P, TC-700Ex Plus
AN0160H11 VHF Stout and Long Antenna SMA Connector 146-174MHz	TC-500, TC-268S, TC-368S, TC-518, TC-508, TC-600, TC-610, TC-620, TC-610P, TC-700, TC-780, TC-780M, TC-700P, TC-700Ex Plus

Combination GPS/VHF Antenna



Model and Name	Applicable Radios
AN0141H01 VHF Stout and Long Antenna SMA Connector 136-147MHz/1575MHz	PD78X(G), PD70X(G)
AN0153H02 VHF Stout and Long Antenna SMA Connector 147-160MHz/1575MHz	PD78X(G), PD70X(G)
AN0167H01 VHF Stout and Long Antenna SMA Connector 160-174MHz/1575MHz	PD78X(G), PD70X(G)
AN0155H02 VHF Stout and Long Antenna SMA Connector 136-174MHz/1575MHz	PD78X(G), PD70X(G)

Stubby Helical Antenna



Model and Name	Applicable Radios
AN0160H01 VHF Stubby Antenna SMA Connector 145-175MHz	TC-500, TC-600
AN0360H02 UHF Stubby Antenna SMA Connector 350-370MHz	TC-500, TC-600
AN0380H02 UHF Stubby Antenna SMA Connector 370-390MHz	TC-500
AN0360H01 UHF Stubby Antenna SMA Connector 350-370MHz	TC-518, TC-610, TC-620, TC-700, TC-780, TC-780M, TC-700P, TC-700Ex Plus
AN0380H01 UHF Stubby Antenna SMA Connector 370-390MHz	TC-518, TC-580, TC-600, TC-610, TC-620, TC-700, TC-780, TC-780M, TC-700P, TC-700Ex Plus
AN0360H13 UHF Stubby Antenna SMA Connector 350-370MHz	TC-580,
AN0325H01 UHF Stubby Antenna SMA Connector 300-350MHz	TC-700, TC-780, TC-780M, TC-700P, TC-700Ex Plus
AN0425H01 UHF Stubby Antenna SMA Connector 400-450MHz	TC-700, TC-780, TC-780M, TC-700P, TC-700Ex Plus
AN0445H01 UHF Stubby Antenna SMA Connector 420-470MHz	TC-518, TC-700, TC-780, TC-780M, TC-700P, TC-700Ex Plus
AN0465H01 UHF Stubby Antenna SMA Connector 440-490MHz	TC-610, TC-620, TC-700, TC-780, TC-780M, TC-700P, TC-700Ex Plus
AN0455H02 UHF Stubby Antenna SMA Connector 440-470MHz	TC-268S, TC-368S
AN0455H03 UHF Stubby Antenna SMA Connector 440-470MHz	TC-600
AN0410H20 UHF Stubby Antenna R Connector 400-420MHz	TC-310, TC-320
AN0460H10 UHF Stubby Antenna R Connector 450-470MHz	TC-310, TC-320
AN0433H01 UHF Stubby Antenna R Connector 422-445MHz	TC-310, TC-320
AN0838H03 UHF Stubby Antenna SMA Connector 806-870MHz	PT580

Combination GPS/UHF Antenna



Model and Name	Applicable Radios
AN0360H15 UHF Stubby Antenna SMA Connector 350-370MHz/1575MHz	TC-880GM
AN0455H08 UHF Stubby Antenna SMA Connector 440-470MHz/1575MHz	TC-880GM
AN0375H01 UHF Stubby Antenna SMA Connector 350-400MHz/1575MHz	PD78X(G), PD70X(G), PT580H
AN0435H02 UHF Stubby Antenna SMA Connector 400-470MHz/1575MHz	PD78X(G), PD70X(G)
AN0485H01 UHF Stubby Antenna SMA Connector 450-520MHz/1575MHz	PD78X(G), PD70X(G)
AN0405H04 UHF Stubby Antenna SMA Connector 380-430MHz/1575MHz	PT580H, TC-880GM
AN0838H02 UHF Stubby Antenna SMA Connector 806-870MHz/1575MHz	PT580



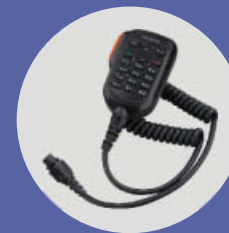
## Repeater and Mobile Radio Accessories

To optimize the performance of repeaters and mobile radios, we develop a package of helpful accessories, including microphone, speaker, power supply, power cord, installation kit, data cable, antenna, etc.

- Audio Devices
- Power Devices
- Power Cords
- Installation Kits
- Duplexers
- Data Cables
- Mobile Antennas

## Audio Devices

The accessories available for mobile radios include palm microphone, desktop microphone and external speaker, meeting your specific requirements in different conditions.



Palm Microphone



Desktop Microphone



External Speaker

# Palm Microphone

A full line of audio accessories, including conventional earpieces, surveillance earpieces, dedicated earpieces, and remote speaker microphone, is performance-matched for your radios, delivering you secure and reliable communication.

## Palm Microphone SM16A1

### Highlights

- » Rugged quality ensures superb performance even in tough environments;
- » Electret design delivers crisp and clear voice;
- » 10-pin aviation connector for secure connection;
- » IP54 compliance.

### Specifications

- » Sensitivity:  $-26 \pm 3\text{dB @1KHz (0dB = 1V/Pa)}$
- » Output impedance:  $\leq 2.2\text{k}\Omega$
- » Directionality: omni-directional
- » Size:  $82.0 \times 56.0 \times 32.2 \text{ (mm)}$
- » Weight: about 120.0g
- » Operating temperature:  $-30 \sim 65^\circ\text{C}$

### Applicable Radios

MT680, MD78X(G) and RD98X



## Palm Microphone (with keypad) SM19A1

### Highlights

- » Large-size and ergonomical keys ;
- » Multiple keys available for programming based on your preferences;
- » Emergency alarm capability at one-button operation;
- » Electret design delivers crisp and clear voice;
- » 10-pin aviation connector for secure connection;
- » IP54 compliance.

### Specifications

- » Sensitivity:  $-26 \pm 3\text{dB @1KHz (0dB = 1V/Pa)}$
- » Output impedance:  $\leq 2.2\text{k}\Omega$
- » Directionality: omni-directional
- » Size:  $97.0 \times 64.0 \times 39.4 \text{ (mm)}$
- » Weight: about 170.0g
- » Operating temperature:  $-30 \sim 65^\circ\text{C}$

### Applicable Radios

MD78X(G)





## Palm Microphone SM07R2

### Highlights

- » Electret design delivers crisp and clear voice;
- » Standard RJ45 interface;
- » Metal buckle and fixing base included in the kit;
- » IP54 compliance and ruggedness for superb performance even in tough environments.

### Specifications

- » Sensitivity:  $-46 \pm 3\text{dB @1KHz (0dB = 1V/Pa)}$
- » Output impedance:  $\leq 2.2\text{k}\Omega$
- » Directionality: omni-directional
- » Size:  $94.8 \times 70.4 \times 41.7 \text{ (mm)}$
- » Weight: about 238.0g
- » Operating temperature:  $-30 \sim 65^\circ\text{C}$

### Applicable Radios

TM-800M, TM-800, TR-800,  
TM-600, TM-610 and TM-628H



## Palm Microphone (with keypad) SM07R1

### Highlights

- » Backlight and metal case refresh your experience;
- » Electret design delivers crisp and clear voice;
- » Standard RJ45 interface;
- » Metal buckle and fixing base included in the kit;
- » IP54 compliance and ruggedness for superb performance even in tough environments.

### Specifications

- » Sensitivity:  $-45 \pm 3\text{dB @1KHz (0dB = 1V/Pa)}$
- » Output impedance:  $\leq 2.2\text{k}\Omega$
- » Directionality: omni-directional
- » Size:  $103.0 \times 72.0 \times 48.0 \text{ (mm)}$
- » Weight: about 310.0g
- » Operating temperature:  $-30 \sim 60^\circ\text{C}$

### Applicable Radios

TM-800M, TM-800, TM-600,  
TM-610 and TM-628H



## Palm Microphone SM11R1

### Highlights

- » Compact body and decent appearance;
- » Fashionable metal front case;
- » Electret design delivers crisp and clear voice;
- » Standard RJ45 interface;
- » Metal buckle and fixing base included in the kit;
- » IP54 compliance and ruggedness for superb performance even in tough environments.

### Specifications

- » Sensitivity:  $-45 \pm 3\text{dB @1KHz (0dB=1V/Pa)}$
- » Output impedance:  $\leq 2.2\text{k}\Omega$
- » Directionality: omni-directional
- » Size:  $80.0*60.0*40.0 \text{ (mm)}$
- » Weight: about 225.0g
- » Operating temperature:  $-30\sim 65^\circ\text{C}$

### Applicable Radios

TM-600, TM-610, TM-628H,  
TM-800 and TM-800M



## Palm Microphone SM08R1

### Highlights

- » Electret design delivers crisp and clear voice;
- » 360-degree swivel metal clip;
- » Standard RJ45 interface.

### Specifications

- » Sensitivity:  $-45 \pm 3\text{dB @1KHz (0dB=1V/Pa)}$
- » Output impedance:  $\leq 2.2\text{k}\Omega$
- » Directionality: omni-directional
- » Size:  $74.0*58.0*30.0 \text{ (mm)}$
- » Weight: about 60.0g
- » Operating temperature:  $-30\sim 65^\circ\text{C}$

### Applicable Radios

TR-50



# Desktop Microphone

Designed for repeaters and base radios, our desktop microphone features high sensitivity and sonorous voice.

## Desktop Microphone

### Highlights

- » Electret design delivers crisp and clear voice;
- » Built-in amplifier circuit provides audio with high gain over a wide frequency range;
- » Large PTT key and MONITOR key with lock capability.

### Specifications

- » Sensitivity:  $-32 \pm 5\text{dB} @ 1\text{kHz} (0\text{dB} = 1\text{V/Pa})$
- » Output impedance:  $\leq 2.2\text{k}\Omega$
- » Directionality: omni-directional
- » Size:  $107.0 \times 65.0 \times 148.6 \text{ (mm)}$
- » Weight: about 164.0g
- » Operating temperature:  $-30 \sim 70^\circ\text{C}$



Product Model	Jack Picture	Applicable Radios
SM10R2	RJ45 	TM-800, TM-800M, TM-600, TM-610, TM-628H and TR-800
SM10A1	10-pin aviation connector 	MT680, MD78X(G) and RD98X

# External Speaker

This large speaker works with high power, enabling it to deliver clear and sonorous voice.

## External Speaker



### Highlights

- » Flexible and easy to install;
- » Adjustable bracket for your actual requirements;
- » Clear and sonorous voice output.

### Specifications

- » Sensitivity:  $88 \pm 2\text{dB} (1\text{W}/1\text{m}) @ 600, 700, 800, 900\text{Hz AVE}$
- » Rated Power: 15W Max. Power: 20W
- » Rated Impedance:  $8\Omega \pm 15\% @ 500\text{Hz}$
- » Size:  $155.6 \times 92.5 \times 140.2 \text{ (mm)}$
- » Weight: about 774.0g
- » Operating temperature:  $-30 \sim 70^\circ\text{C}$



Product Model	Jack Picture	Applicable Radios
SM09S2	$\Phi 3.5\text{mm}$ single pin 	TM-800, TM-800M, TM-600, TM-610 and TM-628H
SM09D1	DB26 contact pin 	MT680 and MD78X(G)

## Power Devices

A good power supply must be safe and vibrant.  
That is what you can get from our power solution.



External Power Supply

## External Power Supply (300W) PS22002

### Highlights

- » Rated power up to 300W and utility power or battery available;
- » A wide range of voltage input (100~240VAC) supported;
- » AC power cord (1.8m) included in the kit;
- » External lead-acid battery (12V/20Ah) supported and auto switch to battery in case of AC power cutoff;
- » Float charge capability helps maintain sufficient charge;
- » Protection against polarity reverse and overdischarge;
- » Integration with mobile radio minimizes the space requirements;
- » Rack power supply available with the optional installation kit.

### Specifications

- » Input voltage: 100~240VAC;
- » Output voltage: DC 13.8V  $\pm$  1.0%;
- » Output current: 0~16A;
- » Float charge current: 1000mA;
- » Size: 296.0\*176.0\*87.5(mm);
- » Operating temperature: -20~65 °C.

### Application

To power the high-power communication devices (such as repeaters) that work indoors.

### Applicable Radios

MD78X(G), MT680, RD98X, TM-628H, TM-800 and TM-800M



2U Rack Power Supply



## Power Cords



DC Power Cord



AC Power Cord

## DC power cord



Vehicle Power Cord



DC Fuse



DC Power Cord PWC04



DC Power Cord PWC07

### Product Overview

DC power cord, 3m

### Applicable Radios

TR-800

### Product Overview

- » 14 # DC power cord PWC06: 3m, 10A and work with 10A DC fuse POA15;
- » 12 # DC power cord PWC05: 3m, 15A and work with 15A DC fuse POA08.

### Applicable Radios

PWC06: TM-800, TM-800M, TM-600 and TM-610 (TX power < 25W)  
 PCW05: TM-800, TM-800M and TM-628H (TX power > 25W)

### Product Overview

DC power cord, 2m

### Applicable Radios

TR-50



Vehicle Power Cord PWC10

Product Overview

- » 12 # DC power cord: 3m, 15A and work with 15A DC fuse POA33



DC Power Cord PWC11

Product Overview

- » DC power cord: 3m, 10A and work with 15A DC fuse POA33



15A DC Fuse POA33

Applicable Radios

MD78X(G), MT680 and DT600



15A DC Fuse POA33

Applicable Radios

RD98X

## AC Power Cord



Power Cord PWC03

Product Overview

- » 3-core AC power cord: 1.8m, compliance with applicable standards in China, Europe Union, Britain, United States, Australia and Swiss.

Applicable Radios

TR-800 and TR-50



AC fuse

Product Overview

- » POA11 AC fuse (tube): 3.15A, applicable to AC 200~240V;
- » POA12 AC fuse (tube): 6.3A, applicable to AC 100~120V.

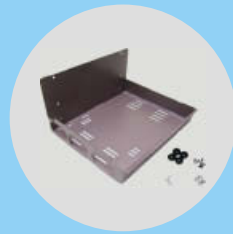
Applicable Radio

TR-800

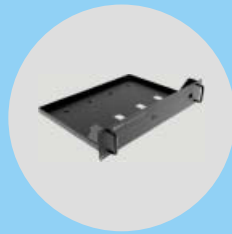
## Installation Kits



For Radio



For Duplexer



For Power Supply



Mobile Radio Remote Mount Kit

## For Radios

To secure the installation of mobile radios and related devices, we develop a number of installation kits, including bracket, pad, knob, screw, etc.



Installation Kit BRK03

Applicable Radios

TM-800 & TM-800M



Installation Kit BRK04

Applicable Radios

TM-600 & TM-610



Installation Kit BRK08

Applicable Radios

MD78X(G)



Installation Kit BRK11

Applicable Radios

MT680



Installation Kit BRK10

Applicable Radios

DT600

## For Duplexer

Designed for the duplexer, an installation kit may consist of bracket, pad, knob, screw, etc.



Installation Kit BRK06

### Applicable Radios

TR-50



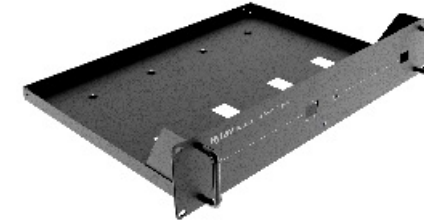
Installation Kit BRK09

### Applicable Radios

RD98X

## For Power Supply

This kit enables you to install two 300W power supplies at most into a 2U rack power supply. The color comes with black and grey.



Installation Kit (Black)

### Product Overview

- » BRK12 Installation Kit for Rack-mounted Power Supply (2U) (Black)
- » BRK14 Installation Kit for Rack-mounted Power Supply (2U) (Gray)

### Applicable Radios

RD98X



Installation Kit (Gray)



2U Rack Power Supply

# Mobile Radio Remote Mount Kit

This kit enables you to install the control panel to a location for easy accessibility. Based on the cable length, it falls into three types: 3m, 6m and 15m.



## Mobile Radio Remote Mount Kit

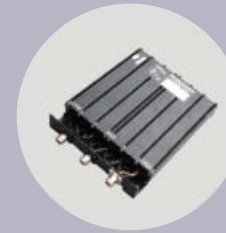
### Product Overview

- » RCC01 Mobile Radio Remote Mount Kit (3m)
- » RCC02 Mobile Radio Remote Mount Kit (6m)
- » RCC03 Mobile Radio Remote Mount Kit (15m)

### Applicable Radios

TM-800 and TM-800M

## Duplexers



Duplexer



Duplexer Kit





Duplexer

- » DT01 Duplexer (Frequency: 137-172MHz) (Frequency spacing: 5~13MHz)
- » DT06 Duplexer (Frequency: 130-176MHz) (Frequency spacing: 5~13MHz)
- » DT06 Duplexer (Frequency: 336-370MHz) (Frequency spacing: 10MHz)
- » DT03 Duplexer (Frequency: 380-470MHz) (Frequency spacing: 5~15MHz)
- » DT07 Duplexer (Frequency: 400-480MHz) (Frequency spacing: 5.5~10MHz)
- » DT10 Duplexer (Frequency: 350-390MHz) (Frequency spacing: 10MHz)

Applicable Radios

TR-800

- » DT11 Duplexer (Freq.Range: 380-470MHz) (TX/RX spacing: 5~13MHz)
- » DT14 Duplexer (Freq.Range: 336-370MHz) (TX/RX spacing: 8~13MHz)
- » DT12 Duplexer (Freq.Range:160-174MHz) (Tx/Rx spacing:5MHz)
- » DT13 Duplexer (Freq.Range:148-160MHz) (Tx/Rx spacing:5MHz)
- » DT15 Duplexer (Freq.Range:136-148MHz) (Tx/Rx spacing:5MHz)

Applicable Radios

RD98X

- » DK01 Duplexer kit (137-172MHz and work with an external board)
- » DK02 Duplexer kit (336-370MHz and work with an external board)
- » DK03 Duplexer kit (380-470MHz and work with an external board)

Applicable Radios

TR-50



Duplexer Kit

## Data Cables



Programming Cable



Others

# Programming Cable

One end of the cable connects with a radio and the other connects with a computer. All configurations are done via the CPS (customer programming software). There are two ports available: USB and COM.



Programming Cable (COM port)

### Product Overview

- » The cable supports RS232 communication protocol and features high reliability.

### Applicable Radios

Product Model	Applicable Radios
PC21	TM-800, TM-800M, TM-600, TM-610 and TR-800
PC14	TR-50 transmitter
PC15	TR-50 receiver



PC37 10-pin Programming Cable (USB)

### Product Overview

- » USB capability, plug and play; 10-pin aviation connector ensures secure connection with repeater or mobile radio.

### Applicable Radios

MD78X(G) and RD98X



PC35 10-pin Programming Cable (USB to serial port)

### Product Overview

- » With a built-in PL2303 USB chip, the cable supports "plug and play" capability and can work in Win98/ME/2000/XP/Vista/Win7. 10-pin aviation connector ensures secure connection with repeater or mobile radio. Note that PL2303 driver is required before initial use.

### Applicable Radios

MT680

# Others



USB-COM Data Cable CP09

### Product Overview

- » Working with PC21, the data cable can achieve USB-RS232 conversion easily, facilitating your operation in case of no serial ports or insufficient serial ports.

### Applicable Radios

TM-800, TM-800M, TM-600 and TM-610



DB26 Data Cable (USB)

### Product Overview

- » Designed for HDC control system, the cable can help transfer the data between computer and repeater or mobile radio. PC39 DB26 programming cable (USB to serial port) (Note that PL2303 driver is required before initial use.)

### Applicable Radios

MT680

PC40 DB26 programming cable (USB port) PC40 DB26 programming cable (USB port)

### Applicable Radios

MD78X(G) and RD98X



Data Cable PC24

#### Product Overview

- » Designed for HDC control center and patrol system, the cable can help transfer the data between computer and mobile radio.

#### Applicable Radios

TM-800



Data Cable (USB to DB9 Female Connector) PC41

#### Product Overview

- » Used for tuning or programming the modem.

#### Applicable Radios

DT600



Data Cable (USB to DB9 Male Connector) PC42

#### Product Overview

- » Used for connecting modem with RTU device for data transfer.

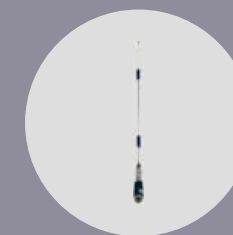
#### Applicable Radios

DT600

## Mobile Antennas



GPS RX Antenna



Mobile Radio Antenna

# GPS RX Antenna



Mobile GPS RX Kit

### Product Overview

- » GPS03 Mobile GPS RX Kit (including GPS antenna and option board)

### Applicable Radios

TM-800 and TM-800M



Mobile GPS Antenna

### Product Overview

- » GPS04 Mobile GPS antenna (SMA/1575MHz)

### Applicable Radios

MD78X(G), MT680 and DT600

# Mobile Radio Antennas

Being made of stainless steel, this antenna features good elasticity and age resistance. Its base comes with three types: Magnetic, Clip and Hole.



TQC-150AII

### Product Overview

- » AN0139M01 VHF TQC-150AII 136-142MHz 2.15dBi BNC-M M110 MountingTray
- » AN0155M06 VHF TQC-150AII 152-158MHz 2.15dBi BNC-M M110 MountingTray
- » AN0165M04 VHF TQC-150AII 162-168MHz 2.15dBi BNC-M M110 MountingTray
- » AN0171M11 VHF TQC-150AII 168-174MHz 2.15dBi BNC-M M110 MountingTray

### Applicable Radios

MD78X(G)

### Specifications

Frequency Range (MHz)	134-173
Bandwidth (MHz)	10
Gain (dBi)	2.15
VSWR	≤ 1.5
Nominal Impedance (Ω)	50
Maximum Power (W)	100
Length (cm)	50 (subject to frequency)
Weight (g)	150 (subject to frequency)



TQC-150CII

Product Overview

- ① ✧ AN0139M02 VHF TQC-150CII 136-142MHz 3dBi BNC Interface M110 Mounting Tray
- ✧ AN0155M05 VHF TQC-150CII 152-158MHz 3dBi BNC Interface M110 Mounting Tray
- ✧ AN0165M03 VHF TQC-150CII 162-168MHz 3dBi BNC Interface M110 Mounting Tray
- ✧ AN0171M12 VHF TQC-150CII 168-174MHz 3dBi BNC Interface M110 Mounting Tray
  
- ② ✧ AN0138M05 VHF TQC-150CII 136-142MHz 3.5dBi UHF Interface M110 Mounting Tray
- ✧ AN0155M07 VHF TQC-150CII 152-158MHz 3.5dBi UHF Interface M110 Mounting Tray
- ✧ AN0165M05 VHF TQC-150CII 162-168MHz 3.5dBi UHF Interface M110 Mounting Tray
- ✧ AN0171M05 VHF TQC-150CII 168-174MHz 3.5dBi UHF Interface M110 Mounting Tray

Applicable Radios

- ① MD78X(G)
- ② TM-800, TM-800M, TM-600, TM-610

Specifications

Frequency Range (MHz)	134-173
Bandwidth (MHz)	6
Gain (dBi)	3/3.5
VSWR	≤1.5
Nominal Impedance (Ω)	50
Maximum Power (W)	100
Length (cm)	110 (subject to frequency)
Weight (g)	220 (subject to frequency)



TQC-350  
FC/400FC/400FCS Series

Product Overview

- ① ✧ AN0358M12 UHF TQC-350FC 351-366MHz 3.5dBi BNC Interface M110 Mounting Tray
- ✧ AN0380M03 UHF TQC-350FC 372-388MHz 3.5dBi BNC Interface M110 Mounting Tray
- ✧ AN0408M02 UHF TQC-400FC 400-416MHz 3.5dBi BNC Interface M110 Mounting Tray
- ✧ AN0438M03 UHF TQC-400FC 430-446MHz 3.5dBi BNC Interface M110 Mounting Tray
- ✧ AN0462M03 UHF TQC-400FC 454-470MHz 3.5dBi BNC Interface M110 Mounting Tray
  
- ② ✧ AN0358M05 UHF TQC-350FC 351-366MHz 3.5dBi UHF Interface
- ✧ AN0380M01 UHF TQC-350FC 370-390MHz 3.5dBi UHF Interface M110 Mounting Tray
  
- ③ ✧ AN0420M04 UHF TQC-400FCS 410-430MHz 3dBi BNC Interface M110 Mounting Tray
- ✧ AN0390M02 UHF TQC-400FCS 380-400MHz 3dBi BNC Interface M110 Mounting Tray

Applicable Radios

- ① MD78X(G)
- ② TM-800, TM-800M, TM-600, TM-610
- ③ DT600

Specifications

Frequency Range (MHz)	300-390/400-490
Bandwidth (MHz)	20
Gain (dBi)	3/3.5
VSWR	≤1.5
Nominal Impedance (Ω)	50
Maximum Power (W)	100
Length (cm)	39 (subject to frequency)
Weight (g)	85 (subject to frequency)





TQC-350CII/DIIS Series

Product Overview

- ① ✧ AN0358M11 UHF TQC-350CII 351-366MHz 5dBi BNC Interface M110 Mounting Tray
- ② ✧ AN0380M02 UHF TQC-350CII 372-388MHz 5dBi BNC Interface M110 Mounting Tray
- ③ ✧ AN0375M03 UHF TQC-350CII 370-380MHz 5dBi UHF Interface M110 Mounting Tray
- ④ ✧ AN0385M04 UHF TQC-350DIIS 380-390MHz 5.5dBi BNC Interface M110 Mounting Tray  
AN0395M06 UHF TQC-350DIIS 390-400MHz 5.5dBi BNC Interface M110 Mounting Tray

Applicable Radios

- ① MD78X(G), MT680
- ② MD78X(G)
- ③ TM-800, TM-800M, TM-600, TM-610
- ④ MT680

Specifications

Frequency Range (MHz)	300-390
Bandwidth (MHz)	10
Gain (dBi)	5/5.5
VSWR	≤1.5
Nominal Impedance (Ω)	50
Maximum Power (W)	100
Length (cm)	110 (subject to frequency)
Weight (g)	220



TQC-400DII/DIIS Series

Product Overview

- ① ✧ AN0405M01 UHF TQC-400DII 400-410MHz 5dBi UHF Interface M110 Mounting Tray  
✧ AN0415M01 UHF TQC-400DII 410-420MHz 5dBi UHF Interface M110 Mounting Tray  
✧ AN0425M01 UHF TQC-400DII 420-430MHz 5dBi UHF Interface M110 Mounting Tray  
✧ AN0435M02 UHF TQC-400DII 430-440MHz 5dBi UHF Interface M110 Mounting Tray  
✧ AN0445M02 UHF TQC-400DII 440-450MHz 5dBi UHF Interface M110 Mounting Tray  
✧ AN0455M02 UHF TQC-400DII 450-460MHz 5dBi UHF Interface M110 Mounting Tray  
✧ AN0462M20 UHF TQC-400DII 454-470MHz 5dBi UHF Interface M110 Mounting Tray
- ② ✧ AN0408M01 UHF TQC-400DII 400-416MHz 5dBi BNC Interface M110 Mounting Tray  
✧ AN0438M02 UHF TQC-400DII 430-446MHz 5dBi BNC Interface M110 Mounting Tray  
✧ AN0462M02 UHF TQC-400DII 454-470MHz 5dBi BNC Interface M110 Mounting Tray
- ③ ✧ AN0415M04 UHF TQC-400DIIS 410-420MHz 5.5dBi BNC Interface M110 Mounting Tray  
✧ AN0425M03 UHF TQC-400DIIS 420-430MHz 5.5dBi BNC Interface M110 Mounting Tray

Applicable Radios

- ① TM-800, TM-800M, TM-600, TM-610
- ② MD78X(G)
- ③ MT680

Specifications

Frequency Range (MHz)	400-480
Bandwidth (MHz)	16
Gain (dBi)	5/5.5
VSWR	≤1.5
Nominal Impedance (Ω)	50
Maximum Power (W)	100
Length (cm)	110 (subject to frequency)
Weight (g)	220 (subject to frequency)



TQC-900BII Series

TQC-900BII Series whip antenna is dedicated to mobile communication and image transmission. Its base comes with Magnetic or Clip.

**Product Overview**

- » AN0838M03 UHF TQC-900BII 806-870MHz  
7dBi BNC Interface M110 Mounting Tray

**Applicable Radios**

MT680

**Specifications**

Frequency Range (MHz)	806-960
Bandwidth (MHz)	70
Gain (dBi)	7
VSWR	≤1.5
Nominal Impedance (Ω)	50
Maximum Power (W)	100
Length (cm)	58 (subject to frequency)
Weight (g)	180 (subject to frequency)

## Accessories Inquiry List

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- [Page 114](#) TC-500 Portable Accessories
- [Page 115](#) TC-268S/368S Portable Accessories
- [Page 117](#) TC-446S Portable Accessories
- [Page 118](#) TC-518 Portable Accessories
- [Page 120](#) TC-580 Portable Accessories
- [Page 121](#) TC-508 Portable Accessories
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- [Page 124](#) TC-610/620 Portable Accessories
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- [Page 128](#) POWER446 Portable Accessories
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- [Page 132](#) TC-780/780M Portable Accessories
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- [Page 149](#) MD78X(G)Series Mobile Accessories
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## TC-320 Portable Accessories

Model	Name	Page
<b>Battery</b>		
BL1715	Li-ion Battery (1700mAh)	54
<b>Power Supply</b>		
CH05L01	Rapid-rate Charger (for Li-ion Battery)	37
PS0601	EU-standard Switching Power Adapter	37
PS0602	US-standard Switching Power Adapter	37
PS0603	UK-standard Switching Power Adapter	37
PS0604	CN-standard Switching Power Adapter	37
PS0605	KR-standard Switching Power Adapter	37
PS0607	AU-standard Switching Power Adapter	37
PV1001	Vehicle Power Adapter (Output: 5V 1A)	52
PS4001	Six-unit Switching Power (Output: 5V 4A)	51
<b>Earpiece</b>		
EHS12	Earset with In-line MIC	05
EHS09	Earset with In-line MIC & VOX	05
<b>Carrying Accessory</b>		
PCN003	Carrying Case (PU) (non-swivel) (black)	65
BC16	Belt Clip (installed on the radio by screws)	68
RO01	Nylon Strap	69
<b>Data Cable</b>		
PC30	Programming Cable (USB to Serial Port)	71
<b>Antenna</b>		
AN0410H20	UHF Stubby Antenna R Connector 400-420MHz	75
AN0433H01	UHF Stubby Antenna R Connector 422-445MHz	75
AN0460H10	UHF Stubby Antenna R Connector 450-470MHz	75

## TC-500 Portable Accessories

Model	Name	Page
<b>Battery</b>		
BH1104	Ni-MH Battery (1100mAh)	55
BH1302	Ni-MH Battery (1300mAh)	55
<b>Power Supply</b>		
CH05N03	MCU Rapid-rate Charger (for Ni-MH Batteries)	48
PS1018	EU-standard Switching Power Adapter	48
PS1014	US-standard Switching Power Adapter	48
PS1016	UK-standard Switching Power Adapter	48
PS1026	CN-standard Switching Power Adapter	48
PS1025	KR-standard Switching Power Adapter	48
PS1017	AU-standard Switching Power Adapter	48
PS1027	JP-standard Switching Power Adapter	48
MCN05	MCU Multi-unit Rapid-rate Charger	49
CHV09	Vehicle Adapter for Charger (Output: 12V 1A)	52
PS7002	Six-unit Switching Power (Output: 12V 7A)	51
<b>Earpiece</b>		
EHM04	Earset with In-line MIC	05
ESM08	Earbud with On-MIC PTT	07
EAM08	Earpiece with On-MIC PTT & Transparent Acoustic Tube	17
<b>Remote Speaker Microphone(RSM)</b>		
SM08M2	SM08 Series Remote Speaker Microphone	27
ESS07	Receive-only Earbud (for use with RSM)	27
ESS08	Receive-only Earpiece with Transparent Acoustic Tube (for use with RSM)	27
<b>Carrying Accessory</b>		
NCN001	Carrying Case (half-folded) (nylon) (non-swivel) (black)	65
BC10	Belt Clip (assembled on the battery)	68
RO05	Nylon Strap	69
LCBN13	Universal Chest Pack (Nylon) (Black)	66
LCYY02	Waterproof Bag (Yellow grinding PVC)	66

## TC-500 Portable Accessories

Model	Name	Page
<b>Data Cable</b>		
PC19	Programming Cable (COM Port)	71
PC26	Programming Cable (USB to Serial Port)	71
<b>Antenna</b>		
AN0143H04	VHF Stout and Long Antenna SMA Connector 136-150MHz	74
AN0160H11	VHF Stout and Long Antenna SMA Connector 146-174MHz	74
AN0160H01	VHF Stubby Antenna SMA Connector 145-175MHz	75
AN0360H02	UHF Stubby Antenna SMA Connector 350-370MHz	75
AN0380H02	UHF Stubby Antenna SMA Connector 370-390MHz	75
AN0415W06	UHF Thin and Long Antenna SMA Connector 400-430MHz	73
AN0425W02	UHF Thin and Long Antenna SMA Connector 400-450MHz	73
AN0460W08	UHF Thin and Long Antenna SMA Connector 400-470MHz	73

## TC-268S/368S Portable Accessories

Model	Name	Page
<b>Battery</b>		
BH1102	Ni-MH Battery (1100mAh)	54
BH1502	Ni-MH Battery (1500mAh)	54
<b>Power Supply</b>		
CH10N02	MCU Rapid-rate Charger (for Ni-MH Battery)	47
PS1018	EU-standard Switching Power Adapter	47
PS1014	US-standard Switching Power Adapter	47
PS1016	UK-standard Switching Power Adapter	47
PS1026	CN-standard Switching Power Adapter	47

## TC-268S/368S Portable Accessories

Model	Name	Page
<b>Power Supply</b>		
PS1025	KR-standard Switching Power Adapter	47
PS1017	AU-standard Switching Power Adapter	47
PS1027	JP-standard Switching Power Adapter	47
CHV09	Vehicle Adapter for Charger (Output: 12V 1A)	52
PS7002	Six-unit Switching Power (Output: 12V 7A)	51
<b>Earpiece</b>		
EHK01	Earset with In-line MIC	05
ESK04	Earbud with On-MIC PTT	07
EAK03	Earpiece with On-MIC PTT & Transparent Acoustic Tube	17
<b>Remote Speaker Microphone(RSM)</b>		
SM08K1	SM08 Series Remote Speaker Microphone	27
ESS07	Receive-only Earbud (for use with RSM)	27
ESS08	Receive-only Earpiece with Transparent Acoustic Tube (for use with RSM)	27
<b>Carrying Accessory</b>		
NCN002	Carrying Case (half-folded) (nylon) (non-swivel) (black)	65
BC09	Belt Clip(assembled on the battery)	67
RO05	Nylon Strap	69
LCBN13	Universal Chest Pack (Nylon) (Black)	66
LCYY02	Waterproof Bag (Yellow grinding PVC)	66
<b>Data Cable</b>		
PC23	Programming Cable (COM Port)	71
PC27	Programming Cable (USB to Serial Port)	71

## TC-268S/368S Portable Accessories

Model	Name	Page
Antenna		
AN0143H04	VHF Stout and Long Antenna SMA Connector 136-150MHz	74
AN0160H11	VHF Stout and Long Antenna SMA Connector 146-174MHz	74
AN0415W06	UHF Thin and Long Antenna SMA Connector 400-430MHz	73
AN0460W16	UHF Thin and Long Antenna SMA Connector 440-470MHz	73
AN0455H02	UHF Stubby Antenna SMA Connector 440-470MHz	75
AN0480W03	UHF Thin and Long Antenna SMA Connector 470-490MHz	73
AN0495W03	UHF Thin and Long Antenna SMA Connector 470-520MHz	73

## TC-446S Portable Accessories

Model	Name	Page
Battery		
BL1719	Li-ion Battery (1650mAh)	55
BL1301	Li-ion Battery (1300mAh)	55
Power Supply		
CH10L19	Li-ion Battery Rapid-rate Charger	38
PS1018	EU-standard Switching Power Adapter	38
CHV09	Vehicle Adapter for Charger (Output: 12V 1A)	52
Ps7002	Six-unit Switching Power (Output: 12V 7A)	51
Earpiece		
EHM16	D-earset with Boom MIC & VOX	11
EHM15	D-earset with In-line MIC & VOX	09
ESM12	Earbud with On-MIC PTT & VOX	07
EAM12	Earpiece with On-MIC PTT & VOX & Transparent Acoustic Tube	17

## TC-446S Portable Accessories

Model	Name	Page
Remote Speaker Microphone(RSM)		
SM08M3	SM08 Series Remote Speaker Microphone	27
ESS07	Receive-only Earbud (for use with RSM)	27
ESS08	Receive-only Earpiece with Transparent Acoustic Tube (for use with RSM)	27
Carrying Accessory		
NCN001	Carrying Case (half-folded) (nylon) (non-swivel) (black)	65
BC12	Belt Clip (installed on the radio by screws)	68
RO03	Nylon Strap	69
LCBN13	Universal Chest Pack (Nylon) (Black)	66
LCY02	Waterproof Bag (Yellow grinding PVC)	66
Data Cable		
PC19	Programming Cable (COM Port)	71
PC26	Programming Cable (USB to Serial Port)	71

## TC-518 Portable Accessories

Model	Name	Page
Battery		
BL1719	Li-ion Battery (1650mAh)	55
BL1301	Li-ion Battery (1300mAh)	55
Power Supply		
CH10L19	Li-ion Battery Rapid-rate Charger	38
PS1018	EU-standard Switching Power Adapter	38
PS1014	US-standard Switching Power Adapter	38
PS1016	UK-standard Switching Power Adapter	38
PS1026	CN-standard Switching Power Adapter	38
PS1025	KR-standard Switching Power Adapter	38
PS1017	AU-standard Switching Power Adapter	38
PS1027	JP-standard Switching Power Adapter	38
CHV09	Vehicle Adapter for Charger (Output: 12V 1A)	52
PS7002	Six-unit Switching Power (Output: 12V 7A)	51



## TC-518 Portable Accessories

Model	Name	Page
<b>Earpiece</b>		
EHM16	D-earset with Boom MIC & VOX	11
EHM15	D-earset with In-line MIC & VOX	09
ESM12	Earbud with On-MIC PTT & VOX	07
EAM12	Earpiece with On-MIC PTT & VOX & Transparent Acoustic Tube	17
<b>Remote Speaker Microphone(RSM)</b>		
SM08M3	SM08 Series Remote Speaker Microphone	27
ESS07	Receive-only Earbud (for use with RSM)	27
ESS08	Receive-only Earpiece with Transparent Acoustic Tube (for use with RSM)	27
<b>Carrying Accessory</b>		
NCN001	Carrying Case (half-folded) (nylon) (non-swivel) (black)	65
BC12	Belt Clip (installed on the radio by screws)	68
RO03	Nylon Strap	69
LCBN13	Universal Chest Pack (Nylon) (Black)	66
LCY02	Waterproof Bag (Yellow grinding PVC)	66
<b>Data Cable</b>		
PC19	Programming Cable (COM Port)	71
PC26	Programming Cable (USB to Serial Port)	71
<b>Antenna</b>		
AN0143H04	VHF Stout and long Antenna SMA Connector 136-150MHz	74
AN0160H11	VHF Stout and long Antenna SMA Connector 146-174MHz	74
AN0360H01	UHF Stubby Antenna SMA Connector 350-370MHz	75
AN0380H01	UHF Stubby Antenna SMA Connector 370-390MHz	75
AN0415W06	UHF Thin and Long Antenna SMA Connecto 400-430MHz	73
AN0460W16	UHF Thin and Long Antenna SMA Connecto 440-470Mhz	73
AN0445H01	UHF Stubby Antenna SMA Connector 420-470MHz	75
AN0495W03	UHF Thin and Long Antenna SMA Connecto 470-520MHz	73

## TC-580 Portable Accessories

Model	Name	Page
<b>Battery</b>		
BL1719	Li-ion Battery (1650mAh)	55
BL1301	Li-ion Battery (1300mAh)	55
<b>Power Supply</b>		
CH10L19	Li-ion Battery Rapid-rate Charger	38
PS1018	EU-standard Switching Power Adapter	38
PS1014	US-standard Switching Power Adapter	38
PS1016	UK-standard Switching Power Adapter	38
PS1026	CN-standard Switching Power Adapter	38
PS1025	KR-standard Switching Power Adapter	38
PS1017	AU-standard Switching Power Adapter	38
PS1027	JP-standard Switching Power Adapter	38
CHV09	Vehicle Adapter for Charger (Output: 12V 1A)	52
PS7002	Six-unit Switching Power (Output: 12V 7A)	51
<b>Earpiece</b>		
EHM16	D-earset with Boom MIC & VOX	11
EHM15	D-earset with In-line MIC & VOX	09
ESM12	Earbud with On-MIC PTT & VOX	07
EAM12	Earpiece with On-MIC PTT & VOX & Transparent Acoustic Tube	17
<b>Remote Speaker Microphone(RSM)</b>		
SM08M3	SM08 Series Remote Speaker Microphone	27
ESS07	Receive-only Earbud (for use with RSM)	27
ESS08	Receive-only Earpiece with Transparent Acoustic Tube (for use with RSM)	27

## TC-580 Portable Accessories

Model	Name	Page
<b>Carrying Accessory</b>		
BC12	Belt Clip (installed on the radio by screws)	68
RO03	Nylon Strap	69
LCBN13	Universal Chest Pack (Nylon) (Black)	66
LCYY02	Waterproof Bag (Yellow grinding PVC)	66
<b>Data Cable</b>		
PC19	Programming Cable (COM Port)	71
PC26	Programming Cable (USB to Serial Port)	71
<b>Antenna</b>		
AN0143H04	VHF Stout and Long Antenna SMA Connector 136-150MHz	74
AN0160H11	VHF Stout and Long Antenna SMA Connector 146-174MHz	74
AN0360H13	UHF Stubby Antenna SMA Connector 350-370MHz	75
AN0380H01	UHF Stubby Antenna SMA Connector 370-390MHz	75
AN0415W06	UHF Thin and Long Antenna SMA Connector 400-430MHz	73
AN0460W16	UHF Thin and Long Antenna SMA Connector 440-470MHz	73

## TC-508 Portable Accessories

Model	Name	Page
<b>Battery</b>		
BL1719	Li-ion Battery (1650mAh)	55
BL1301	Li-ion Battery (1300mAh)	55
<b>Power Supply</b>		
CH10L19	Li-ion Battery Rapid-rate Charger	38
PS1014	US-standard Switching Power Adapter	38
PS1018	EU-standard Switching Power Adapter	38

## TC-508 Portable Accessories

Model	Name	Page
<b>Power Supply</b>		
CHV09	Vehicle Adapter for Charger (Output: 12V 1A)	52
PS7002	Six-unit Switching Power (Output: 12V 7A)	51
<b>Earpiece</b>		
EHM16	D-earset with Boom MIC & VOX	11
EHM15	D-earset with In-line MIC & VOX	09
ESM12	Earbud with On-MIC PTT & VOX	07
EAM12	Earpiece with On-MIC PTT & VOX & Transparent Acoustic Tube	17
<b>Remote Speaker Microphone (RSM)</b>		
SM08M3	SM08 Series Remote Speaker Microphone	27
ESS07	Receive-only Earbud (for use with RSM)	27
ESS08	Receive-only Earpiece with Transparent Acoustic Tube (for use with RSM)	27
<b>Carrying Accessory</b>		
NCN001	Carrying Case (half-folded) (nylon) (non-swivel) (black)	65
BC12	Belt Clip (installed on the radio by screws)	68
RO03	Nylon Strap	69
LCBN13	Universal Chest Pack (Nylon) (Black)	66
LCYY02	Waterproof Bag (Yellow grinding PVC)	66
<b>Data Cable</b>		
PC19	Programming Cable (COM Port)	71
PC26	Programming Cable (USB to Serial Port)	71
<b>Antenna</b>		
AN0160H11	VHF Stout and Long Antenna SMA Connector 146-174MHz	74
AN0425W02	UHF Thin and Long Antenna SMA Connector 400-450MHz	73
AN0460W16	UHF Thin and Long Antenna SMA Connector 440-470MHz	73

## TC-600 Portable Accessories

Model	Name	Page
<b>Battery</b>		
BL1203	Li-ion Battery (1250mAh)	56
<b>Power Supply</b>		
CH10L03	MCU Rapid-rate Charger (for Li-ion Battery)	46
PS1018	EU-standard Switching Power Adapter	46
PS1014	US-standard Switching Power Adapter	46
PS1016	UK-standard Switching Power Adapter	46
PS1026	CN-standard Switching Power Adapter	46
PS1025	KR-standard Switching Power Adapter	46
PS1017	AU-standard Switching Power Adapter	46
PS1027	JP-standard Switching Power Adapter	46
MCL11	MCU Multi-unit Rapid-rate Charger (for Li-ion Battery)	49
CHV09	Vehicle Adapter for Charger (Output: 12V 1A)	52
PS7002	Six-unit Switching Power (Output: 12V 7A)	51
<b>Earpiece</b>		
EHM04	Earset with In-line MIC	05
ESM08	Earbud with On-MIC PTT	07
EAM08	Earpiece with On-MIC PTT & Transparent AcousticTube	17
<b>Remote Speaker Microphone (RSM)</b>		
SM08M2	SM08 Series Remote Speaker Microphone	27
ESS07	Receive-only Earbud (for use with RSM)	27
ESS08	Receive-only Earpiece with Transparent AcousticTube (for use with RSM)	27

## TC-600 Portable Accessories

Model	Name	Page
<b>Carrying Accessory</b>		
NCN001	Carrying Case (half-folded) (nylon) (non-swivel) (black)	65
BC11	Belt Clip (assembled on the battery)	68
RO03	Nylon Strap	69
LCBN13	Universal Chest Pack (Nylon) (Black)	66
LCYY02	Waterproof Bag (Yellow grinding PVC)	66
<b>Data Cable</b>		
PC19	Programming Cable (COM Port)	71
PC26	Programming Cable (USB to Serial Port)	71
<b>Antenna</b>		
AN0160H01	VHF Stubby Antenna SMA Connector 145-175MHz	75
AN0360H02	UHF Stubby Antenna SMA Connector 350-370MHz	75
AN0380H01	UHF Stubby Antenna SMA Connector 370-390MHz	75
AN0415W06	UHF Thin and Long Antenna SMA Connector 400-430MHz	73
AN0460W16	UHF Thin and Long Antenna SMA Connector 440-470MHz	73
AN0455H03	UHF Stubby Antenna SMA Connector 440-470MHz	75
AN0480W03	UHF Thin and Long Antenna SMA Connector 470-490MHz	73

## TC-610/620 Portable Accessories

Model	Name	Page
<b>Battery</b>		
BL1204	Li-ion Battery (1200mAh)	56
BH1303	Ni-MH Battery (1300mAh)	56
BL2001	Li-ion Battery (2000mAh)	56

## TC-610/620 Portable Accessories

Model	Name	Page
<b>Power Supply</b>		
CH10A03	MCU Rapid-rate Charger (for Li-ion/Ni-MH Batteries)	45
PS1018	EU-standard Switching Power Adapter	45
PS1014	US-standard Switching Power Adapter	45
PS1016	UK-standard Switching Power Adapter	45
PS1026	CN-standard Switching Power Adapter	45
PS1025	KR-standard Switching Power Adapter	45
PS1017	AU-standard Switching Power Adapter	45
PS1027	JP-standard Switching Power Adapter	45
MCA02	MCU Multi-unit Rapid-rate Charger (for Li-ion/Ni-MH Batteries)	49
CHV09	Vehicle Adapter for Charger (Output: 12V 1A)	52
PS7002	Six-unit Switching Power (Output: 12V 7A)	51
<b>Earpiece</b>		
ESM12	Earbud with On-MIC PTT & VOX	07
EHM16	D-earset with Boom MIC & VOX	11
EHM15	D-earset with In-line MIC & VOX	09
EAM12	Earpiece with On-MIC PTT & VOX & Transparent Acoustic Tube	17
EAM13	2-wire Surveillance Earpiece with VOX & Transparent Acoustic Tube	19
EAM15	3-wire Surveillance Earpiece with Transparent Acoustic Tube (Beige)	21
EAM16	3-wire Surveillance Earpiece with Transparent Acoustic Tube (Black)	21
EWM03	Neck 2-wire Earpiece with Wireless Earphone and Neck Loop (Beige)	23
<b>Remote Speaker Microphone (RSM)</b>		
SM08M3	SM08 Series Remote Speaker Microphone	27
SM13M1	Water Resistant Remote Speaker Microphone (IP55)	29
ESS07	Receive-only Earbud (for use with RSM)	29
ESS08	Receive-only Earpiece with Transparent Acoustic Tube (for use with RSM)	29

## TC-610/620 Portable Accessories

Model	Name	Page
<b>Carrying Accessory</b>		
NCN001	Carrying Case (half-folded) (nylon) (non-swivel) (black)	65
BC12	Belt Clip (installed on the radio by screws)	68
RO03	Nylon Strap	69
LCBN13	Universal Chest Pack (Nylon) (Black)	66
LCY02	Waterproof Bag (Yellow grinding PVC)	66
<b>Data Cable</b>		
PC19	Programming Cable (COM Port)	71
PC26	Programming Cable (USB to Serial Port)	71
<b>Antenna</b>		
AN0160H11	VHF Stout and Long Antenna SMA Connector 146-174MHz	74
AN0143H04	VHF Stout and Long Antenna SMA Connector 136-150MHz	74
AN0360H01	UHF Stubby Antenna SMA Connector 350-370MHz	75
AN0380H01	UHF Stubby Antenna SMA Connector 370-390MHz	75
AN0465H01	UHF Stubby Antenna SMA Connector 440-490MHz	75
AN0480W03	UHF Thin and Long Antenna SMA Connector 470-490MHz	73
AN0415W06	UHF Thin and Long Antenna SMA Connector 400-430MHz	73
AN0425W02	UHF Thin and Long Antenna SMA Connector 400-450MHz	73
AN0460W16	UHF Thin and Long Antenna SMA Connector 440-470MHz	73

## TC-610P Portable Accessories

Model	Name	Page
<b>Battery</b>		
BL1204	Li-ion Battery (1200mAh)	56
BH1303	Ni-MH Battery (1300mAh)	56
BL2001	Li-ion Battery (2000mAh)	56

## TC-610P Portable Accessories

Model	Name	Page
<b>Power Supply</b>		
CH10A03	MCU Rapid-rate Charger (for Li-ion/Ni-MH Batteries)	45
PS1018	EU-standard Switching Power Adapter	45
PS1014	US-standard Switching Power Adapter	45
PS1016	UK-standard Switching Power Adapter	45
PS1026	CN-standard Switching Power Adapter	45
PS1025	KR-standard Switching Power Adapter	45
PS1017	AU-standard Switching Power Adapter	45
PS1027	JP-standard Switching Power Adapter	45
MCA02	MCU Multi-unit Rapid-rate Charger (for Li-ion/Ni-MH Batteries)	49
CHV09	Vehicle Adapter for Charger (Output: 12V 1A)	52
PS7002	Six-unit Switching Power (Output: 12V 7A)	51
<b>Earpiece</b>		
ESN06	Earbud with On-MIC PTT	07
EHN08	D-earset with Boom MIC	11
EHN07	D-earset with In-line MIC	09
EAN04	Earpiece with On-MIC PTT & Transparent Acoustic Tube	17
EAN07	2-wire Surveillance Earpiece with Transparent Acoustic Tube	19
EAN02	3-wire Surveillance Earpiece with Transparent Acoustic Tube (Black)	21
EAN06	3-wire Surveillance Earpiece with Transparent Acoustic Tube(Beige)	21
EWN03	Neck 2-wire Earpiece with Wireless Earphone and Neck Loop(Beige)	23
<b>Remote Speaker Microphone (RSM)</b>		
SM08N1	SM08 Series Remote Speaker Microphone	27
SM13N5	Water Resistant Remote Speaker Microphone (IP55)	29
ESS07	Receive-only Earbud (for use with RSM)	29
ESS08	Receive-only Earpiece with Transparent Acoustic Tube (for use with RSM)	29

## TC-610P Portable Accessories

Model	Name	Page
<b>Carrying Accessory</b>		
NCN001	Carrying Case (half-folded) (nylon) (non-swivel) (black)	65
BC11	Belt Clip (assembled on the battery)	68
RO03	Nylon Strap	69
LCBN13	Universal Chest Pack (Nylon) (Black)	66
LCYY02	Waterproof Bag (Yellow grinding PVC)	66
<b>Data Cable</b>		
PC18	Programming Cable (COM Port)	71
PC25	Programming Cable (USB to Serial Port)	71
<b>Antenna</b>		
AN0160H11	VHF Stout and Long Antenna SMA Connector 146-174MHz	74
AN0415W06	UHF Thin and Long Antenna SMA Connector 400-430MHz	73
AN0460W16	UHF Thin and Long Antenna SMA Connector 440-470MHz	73

## POWER446 Portable Accessories

Model	Name	Page
<b>Battery</b>		
BL1204	Li-ion Battery (1200mAh)	56
BH1303	Ni-MH Battery (1300mAh)	56
BL2001	Li-ion Battery (2000mAh)	56



## POWER446 Portable Accessories

Model	Name	Page
<b>Power Supply</b>		
CH10A03	MCU Rapid-rate Charger (for Li-ion/Ni-MH Batteries)	45
PS1018	EU-standard Switching Power Adapter	45
PS1016	UK-standard Switching Power Adapter	45
MCA02	MCU Multi-unit Rapid-rate Charger (for Li-ion/Ni-MH Batteries)	49
CHV09	Vehicle Adapter for Charger (Output: 12V 1A)	52
PS7002	Six-unit Switching Power (Output: 12V 7A)	51
<b>Earpiece</b>		
ESM12	Earbud with On-MIC PTT & VOX	07
EHM16	D-earset with Boom MIC & VOX	11
EHM15	D-earset with In-line MIC & VOX	09
EAM12	Earpiece with On-MIC PTT & VOX& Transparent Acoustic Tube	17
EAM13	2-wire Surveillance Earpiece with VOX & Transparent Acoustic Tube	19
EAM15	3-wire Surveillance Earpiece with Transparent Acoustic Tube (Beige)	21
EAM16	3-wire Surveillance Earpiece with Transparent Acoustic Tube (Black)	21
EWM03	Neck 2-wire Earpiece with Wireless Earphone and Neck Loop (Beige)	23
	Ear Canal Bone Induction Earpiece	
<b>Remote Speaker Microphone (RSM)</b>		
SM08M3	SM08 Series Remote Speaker Microphone	27
SM13M1	Water Resistant Remote Speaker Microphone(IP55)	29
ESS07	Receive-only Earbud (for use with RSM)	29
ESS08	Receive-only Earpiece with Transparent Acoustic Tube(for use with RSM)	29
<b>Carrying Accessory</b>		
NCN001	Carrying Case (half-folded) (nylon) (non-swivel) (black)	65
BC12	Belt Clip (installed on the radio by screws)	68
RO03	Nylon Strap	69
LCBN13	Universal Chest Pack (Nylon) (Black)	66
LCYY02	Waterproof Bag (Yellow grinding PVC)	66

## POWER446 Portable Accessories

Model	Name	Page
<b>Data Cable</b>		
PC19	Programming Cable (COM Port)	71
PC26	Programming Cable (USB to Serial Port)	71

## TC-700 Portable Accessories

Model	Name	Page
<b>Battery</b>		
BL1703	Li-ion Battery (1700mAh) (for use with the belt clip BC08)	57
BL2102	Li-ion Battery (2100mAh) (for use with the belt clip BC09)	57
BL2504	Li-ion Battery (2500mAh) (for use with the belt clip BC19)	58
BH1801	Ni-MH Battery (1800mAh) (for use with the belt clip BC09)	57
<b>Power Supply</b>		
CH10L07	MCU Rapid-rate Charger (for Li-ion/Ni-MH Batteries)	43
PS1018	EU-standard Switching Power Adapter	43
PS1014	US-standard Switching Power Adapter	43
PS1016	UK-standard Switching Power Adapter	43
PS1026	CN-standard Switching Power Adapter	43
PS1025	KR-standard Switching Power Adapter	43
PS1017	AU-standard Switching Power Adapter	43
PS1027	JP-standard Switching Power Adapter	43
MCA03	MCU Multi-unit Rapid-rate Charger (for Li-ion/Ni-MH Batteries)	49
MCA05-A1	Battery Optimizing System (TC-780 series)	50
CHV09	Vehicle Adapter for Charger (Output: 12V 1A)	52
PS7002	Six-unit Switching Power (Output: 12V 7A)	51

## TC-700 Portable Accessories

Model	Name	Page
<b>Earpiece</b>		
ESM12	Earbud with On-MIC PTT & VOX	07
EHM16	D-earset with Boom MIC & VOX	11
EHM15	D-earset with In-line MIC & VOX	09
EAM12	Earpiece with On-MIC PTT & VOX& Transparent Acoustic Tube	17
EAM13	2-wire Surveillance Earpiece with VOX & Transparent Acoustic Tube	19
EAM15	3-wire Surveillance Earpiece with Transparent Acoustic Tube (Beige)	21
EAM16	3-wire Surveillance Earpiece with Transparent Acoustic Tube (Black)	21
EWM03	Neck 2-wire Earpiece with Wireless Earphone and Neck Loop (Beige)	23
<b>Remote Speaker Microphone(RSM)</b>		
SM08M3	SM08 Series Remote Speaker Microphone	27
SM13M1	Water Resistant Remote Speaker Microphone (IP55)	29
ESS07	Receive-only Earbud (for use with RSM)	29
ESS08	Receive-only Earpiece with Transparent Acoustic Tube (for use with RSM)	29
<b>Carrying Accessory</b>		
LCBN41	Carrying Case (Thin Battery) (Leather) (Swivel)	63
LCBN42	Carrying Case (Thick Battery) (Leather) (Swivel)	63
NCN002	Carrying Case (half-folded) (nylon) (non-swivel) (black)	65
BC08	Belt Clip (installed on the radio by screws)	67
BC09	Belt Clip (assembled on the battery)	67
BC19	Belt Clip (installed on the radio by screws)	67
RO04	Leather Strap	69
LCBN13	Universal Chest Pack (Nylon) (Black)	66
LCYY02	Waterproof Bag (Yellow grinding PVC)	66

## TC-700 Portable Accessories

Model	Name	Page
<b>Data Cable</b>		
PC19	Programming Cable (COM Port)	71
PC26	Programming Cable (USB to Serial Port)	71
<b>Antenna</b>		
AN0160H11	VHF Stout and Long Antenna SMA Connector 146-174MHz	74
AN0143H04	VHF Stout and Long Antenna SMA Connector 136-150MHz	74
AN0325H01	UHF Stubby Antenna SMA Connector 300-350MHz	75
AN0360H01	UHF Stubby Antenna SMA Connector 350-370MHz	75
AN0380H01	UHF Stubby Antenna SMA Connector 370-390MHz	75
AN0425H01	UHF Stubby Antenna SMA Connector 400-450MHz	75
AN0445H01	UHF Stubby Antenna SMA Connector 420-470MHz	75
AN0465H01	UHF Stubby Antenna SMA Connector 440-490MHz	75
AN0425W02	UHF Thin and Long Antenna SMA Connector 400-450MHz	73
AN0445W01	UHF Thin and Long Antenna SMA Connector 420-470MHz	73
AN0465W01	UHF Thin and Long Antenna SMA Connector 440-490MHz	73
AN0495W03	UHF Thin and Long Antenna SMA Connector 470-520MHz	73

## TC-780/780M Portable Accessories

Model	Name	Page
<b>Battery</b>		
BL1703	Li-ion Battery (1700mAh) (for use with the belt clip BC19)	57
BL2102	Li-ion Battery (2100mAh) (for use with the belt clip BC09)	57
BL2504	Li-ion Battery (2500mAh) (for use with the belt clip BC19)	58
BH1801	Ni-MH Battery (1800mAh) (for use with the belt clip BC09)	57

## TC-780/780M Portable Accessories

Model	Name	Page
<b>Power Supply</b>		
CH10L07	MCU Rapid-rate Charger (for Li-ion/Ni-MH Batteries)	43
PS1018	EU-standard Switching Power Adapter	43
PS1014	US-standard Switching Power Adapter	43
PS1016	UK-standard Switching Power Adapter	43
PS1026	CN-standard Switching Power Adapter	43
PS1025	KR-standard Switching Power Adapter	43
PS1017	AU-standard Switching Power Adapter	43
PS1027	JP-standard Switching Power Adapter	43
MCA03	MCU Multi-unit Rapid-rate Charger (for Li-ion/Ni-MH Batteries)	49
MCA05-A1	Battery Optimizing System (TC-780 series)	50
CHV09	Vehicle Adapter for Charger (Output: 12V 1A)	52
PS7002	Six-unit Switching Power (Output: 12V 7A)	51
<b>Earpiece</b>		
ESN06	Earbud with On-MIC PTT	07
EHN08	D-earset with Boom MIC	11
EHN07	D-earset with In-line MIC	09
EAN04	Earpiece with On-MIC PTT & Transparent Acoustic Tube	17
EAN07	2-wire Surveillance Earpiece with Transparent Acoustic Tube	19
EAN02	3-wire Surveillance Earpiece with Transparent Acoustic Tube (Black)	21
EAN06	3-wire Surveillance Earpiece with Transparent Acoustic Tube (Beige)	21
EWN03	Neck 2-wire Earpiece with Wireless Earphone and Neck Loop (Beige)	23
<b>Remote Speaker Microphone (RSM)</b>		
SM08N1	SM08 Series Remote Speaker Microphone	27
SM13N5	Water Resistant Remote Speaker Microphone (IP55)	29
ESS07	Receive-only Earbud (for use with RSM)	29
ESS08	Receive-only Earpiece with Transparent Acoustic Tube (for use with RSM)	29

## TC-780/780M Portable Accessories

Model	Name	Page
<b>Carrying Accessory</b>		
LCBY22	Carrying Case (Leather)(Swivel)	64
BC19	Belt Clip (installed on the radio by screws)	67
BC09	Belt Clip (assembled on the battery)	67
RO04	Leather Strap	69
LCBN13	Universal Chest Pack (Nylon) (Black)	66
LCYY02	Waterproof Bag (Yellow grinding PVC)	66
<b>Data Cable</b>		
PC18	Programming Cable (COM Port)	71
PC25	Programming Cable (USB to Serial Port)	71
<b>Antenna</b>		
AN0160H11	VHF Stout and Long Antenna SMA Connector 146-174MHz	74
AN0143H04	VHF Stout and Long Antenna SMA Connector 136-150MHz	74
AN0325H01	UHF Stubby Antenna SMA Connector 300-350MHz	75
AN0360H01	UHF Stubby Antenna SMA Connector 350-370MHz	75
AN0380H01	UHF Stubby Antenna SMA Connector 370-390MHz	75
AN0425H01	UHF Stubby Antenna SMA Connector 400-450MHz	75
AN0445H01	UHF Stubby Antenna SMA Connector 420-470MHz	75
AN0465H01	UHF Stubby Antenna SMA Connector 440-490MHz	75
AN0425W02	UHF Thin and Long Antenna SMA Connector 400-450MHz	73
AN0445W01	UHF Thin and Long Antenna SMA Connector 420-470MHz	73
AN0465W01	UHF Thin and Long Antenna SMA Connector 440-490MHz	73
AN0495W03	UHF Thin and Long Antenna SMA Connector 470-520MHz	73

## TC-700P Portable Accessories

Model	Name	Page
<b>Battery</b>		
BL1703	Li-ion Battery (1700mAh) (for use with the belt clip BC08)	57
BL2102	Li-ion Battery (2100mAh) (for use with the belt clip BC09)	57
BL2504	Li-ion Battery (2500mAh) (for use with the belt clip BC19)	58
BH1801	Ni-MH Battery (1800mAh) (for use with the belt clip BC09)	57
<b>Power Supply</b>		
CH10L07	MCU Rapid-rate Charger (for Li-ion/Ni-MH Batteries)	43
PS1018	EU-standard Switching Power Adapter	43
PS1014	US-standard Switching Power Adapter	43
PS1016	UK-standard Switching Power Adapter	43
PS1026	CN-standard Switching Power Adapter	43
PS1025	KR-standard Switching Power Adapter	43
PS1017	AU-standard Switching Power Adapter	43
PS1027	JP-standard Switching Power Adapter	43
MCA03	MCU Multi-unit Rapid-rate Charger (for Li-ion/Ni-MH Batteries)	49
MCA05-A1	Battery Optimizing System (TC-780 series)	50
CHV09	Vehicle Adapter for Charger (Output: 12V 1A)	52
PS7002	Six-unit Switching Power (Output: 12V 7A)	51
<b>Earpiece</b>		
ESN06	Earbud with On-MIC PTT	07
EHN08	D-earset with Boom MIC	11
EHN07	D-earset with In-line MIC	09
EAN04	Earpiece with On-MIC PTT & Transparent Acoustic Tube	17
EAN07	2-wire Surveillance Earpiece with Transparent Acoustic Tube	19
EAN02	3-wire Surveillance Earpiece with Transparent Acoustic Tube (Black)	21
EAN06	3-wire Surveillance Earpiece with Transparent Acoustic Tube (Beige)	21
EWN03	Neck 2-wire Earpiece with Wireless Earphone and Neck Loop (Beige)	23

## TC-700P Portable Accessories

Model	Name	Page
<b>Remote Speaker Microphone (RSM)</b>		
SM08N1	SM08 Series Remote Speaker Microphone	27
SM13N5	Water Resistant Remote Speaker Microphone (IP55)	29
ESS07	Receive-only Earbud (for use with RSM)	29
ESS08	Receive-only Earpiece with Transparent Acoustic Tube (for use with RSM)	29
<b>Carrying Accessory</b>		
LCBY22	Carrying Case (Leather) (Swivel)	64
BC08	Belt Clip (installed on the radio by screws)	67
BC09	Belt Clip (assembled on the battery)	67
BC19	Belt Clip (installed on the radio by screws)	67
RO04	Leather Strap	69
LCBN13	Universal Chest Pack (Nylon) (Black)	66
LCYY02	Waterproof Bag (Yellow grinding PVC)	66
<b>Data Cable</b>		
PC18	Programming Cable (COM Port)	71
PC25	Programming Cable (USB to Serial Port)	71
<b>Antenna</b>		
AN0160H11	VHF Stout and Long Antenna SMA Connector 146-174MHz	74
AN0143H04	VHF Stout and Long Antenna SMA Connector 136-150MHz	74
AN0325H01	UHF Stubby Antenna SMA Connector 300-350MHz	75
AN0360H01	UHF Stubby Antenna SMA Connector 350-370MHz	75
AN0380H01	UHF Stubby Antenna SMA Connector 370-390MHz	75
AN0425H01	UHF Stubby Antenna SMA Connector 400-450MHz	75
AN0445H01	UHF Stubby Antenna SMA Connector 420-470MHz	75
AN0465H01	UHF Stubby Antenna SMA Connector 440-490MHz	75
AN0425W02	UHF Thin and Long Antenna SMA Connector 400-450MHz	73
AN0445W01	UHF Thin and Long Antenna SMA Connector 420-470MHz	73
AN0465W01	UHF Thin and Long Antenna SMA Connector 440-490MHz	73
AN0495W03	UHF Thin and Long Antenna SMA Connector 470-520MHz	73

## TC-880GM Portable Accessories

Model	Name	Page
<b>Battery</b>		
BL2404	Li-ion Battery (1250mAh)	58
<b>Power Supply</b>		
CH10L18	MCU Charger (for Li-ion Batteries)	44
PS1018	EU-standard Switching Power Adapter	44
PS1014	US-standard Switching Power Adapter	44
PS1016	UK-standard Switching Power Adapter	44
PS1026	CN-standard Switching Power Adapter	44
PS1025	KR-standard Switching Power Adapter	44
PS1017	AU-standard Switching Power Adapter	44
PS1027	JP-standard Switching Power Adapter	44
MCA05-G1	Battery Optimizing System (TC-880GM series)	50
CHV09	Vehicle Adapter for Charger (Output: 12V 1A)	52
PS7002	Six-unit Switching Power (Output: 12V 7A)	51
<b>Earpiece</b>		
ESN06	Earbud with On-MIC PTT	07
EHN08	D-earset with Boom MIC	11
EHN07	D-earset with In-line MIC	09
EAN04	Earpiece with On-MIC PTT & Transparent Acoustic Tube	17
EAN07	2-wire Surveillance Earpiece with Transparent Acoustic Tube	19
EAN02	3-wire Surveillance Earpiece with Transparent Acoustic Tube (Black)	21
EAN06	3-wire Surveillance Earpiece with Transparent Acoustic Tube (Beige)	21
EWN03	Neck 2-wire Earpiece with Wireless Earphone and Neck Loop (Beige)	23
<b>Remote Speaker Microphone(RSM)</b>		
SM08N1	SM08 Series Remote Speaker Microphone	27
SM13N5	Water Resistant Remote Speaker Microphone (IP55)	29

## TC-880GM Portable Accessories

Model	Name	Page
<b>Remote Speaker Microphone (RSM)</b>		
ESS07	Receive-only Earbud (for use with RSM)	29
ESS08	Receive-only Earpiece with Transparent Acoustic Tube(for use with RSM)	29
<b>Carrying Accessory</b>		
BC19	Belt Clip (installed on the radio by screws)	67
RO04	Leather Strap	69
LCBN13	Universal Chest Pack (Nylon) (Black)	66
LCYY02	Waterproof Bag (Yellow grinding PVC)	66
<b>Data Cable</b>		
PC18	Programming Cable (COM Port)	71
PC25	Programming Cable (USB to Serial Port)	71
<b>Antenna</b>		
AN0360H15	UHF Stubby Antenna SMA Connector 350-370MHz/1575MHz	76
AN0405H04	UHF Stubby Antenna SMA Connector 380-430MHz/1575MHz	76
AN0455H08	UHF Stubby Antenna SMA Connector 440-470MHz/1575MHz	76

## TC-700ExPlus Portable Accessories

Model	Name	Page
<b>Battery</b>		
BL1703-Ex	Intrinsically Safe Li-ion Battery (1700mAh)	60



## TC-700ExPlus Portable Accessories

Model	Name	Page
<b>Power Supply</b>		
CH10L11-Ex	Rapid-rate Charger (for Li-ion Battery)	40
PS1009	Switching Power Adapter (Power cord not included )	40
PS1009 Power Cord	Power Cord (for use with PS1009)	40
<b>Earpiece</b>		
ESM01-Ex	Intrinsically Safe Earbud with In-line PTT	15
EBM02	Bone Conduction Headset (firefighting)	25
EBM02-Ex	Bone Conduction Headset (firefighting) (ATEX)	25
<b>Remote Speaker Microphone(RSM)</b>		
SM08M1-Ex	Intrinsically Safe Remote Speaker Microphone	33
ESS01	Receive-only Earpiece (for use with Intrinsically Safe RSM)	33
<b>Carrying Accessory</b>		
LCBN57	Carrying Case (Leather) (non-swivel)	64
BC09	Belt Clip (assembled on the battery)	67
RO04	Leather Strap	69
<b>Data Cable</b>		
PC19	Programming Cable (COM Port)	71
PC26	Programming Cable (USB to Serial Port)	71
<b>Antenna</b>		
AN0160H11	VHF Stout and Long Antenna SMA Connector 146-174MHz	74
AN0143H04	VHF Stout and Long Antenna SMA Connector 136-150MHz	74
AN0325H01	UHF Stubby Antenna SMA Connector 300-350MHz	75
AN0360H01	UHF Stubby Antenna SMA Connector 350-370MHz	75
AN0380H01	UHF Stubby Antenna SMA Connector 370-390MHz	75

## TC-700ExPlus Portable Accessories

Model	Name	Page
<b>Antenna</b>		
AN0425H01	UHF Stubby Antenna SMA Connector 400-450MHz	75
AN0445H01	UHF Stubby Antenna SMA Connector 420-470MHz	75
AN0465H01	UHF Stubby Antenna SMA Connector 440-490MHz	75
AN0425W02	UHF Thin and Long Antenna SMA Connector 400-450MHz	73
AN0445W01	UHF Thin and Long Antenna SMA Connector 420-470MHz	73
AN0465W01	UHF Thin and Long Antenna SMA Connector 440-490MHz	73
AN0495W03	UHF Thin and Long Antenna SMA Connector 470-520MHz	73

## PD70X(G)/PD78X(G) Series Portable Accessories

Model	Name	Page
<b>Battery</b>		
BL2006	Li-ion Battery (2000mAh)	59
BL2503	Li-ion Battery (2500mAh)	59
<b>Power Supply</b>		
CH10A04	MCU Rapid-rate Charger (for Li-ion/Ni-MH Batteries)	42
PS1018	EU-standard Switching Power Adapter	42
PS1014	US-standard Switching Power Adapter	42
PS1016	UK-standard Switching Power Adapter	42
PS1026	CN-standard Switching Power Adapter	42
PS1025	KR-standard Switching Power Adapter	42
PS1017	AU-standard Switching Power Adapter	42
PS1027	JP-standard Switching Power Adapter	42
MCA06	MCU Multi-unit Rapid-rate Charger (for BL2006 only)	49
MCA05	Battery Optimizing System	50
CHV09	Vehicle Adapter for Charger (Output: 12V 1A)	52

## PD70X(G)/PD78X(G) Series Portable Accessories

Model	Name	Page
<b>Earpiece</b>		
ESN10	Earbud with On-MIC PTT	07
EHN12	D-earset with On-MIC PTT	13
EAN16	Earpiece with On-MIC PTT & Transparent Acoustic Tube	17
EAN17	3-wire Surveillance Earpiece with Transparent Acoustic Tube (Beige)	21
EAN18	3-wire Surveillance Earpiece with Transparent Acoustic Tube (Black)	21
<b>Remote Speaker Microphone(RSM)</b>		
SM18N2	Waterproof Remote Speaker Microphone (IP57)	31
ESS07	Receive-only Earbud (for use with RSM)	31
ESS08	Receive-only Earpiece with Transparent Acoustic Tube (for use with RSM)	31
<b>Carrying Accessory</b>		
LCY003	Carrying Case (Thick Battery) (Leather) (Swivel)	62
BC19	Belt Clip (installed on the radio by screws)	67
RO04	Leather Strap	69
<b>Data Cable</b>		
PC38	Programming Cable (USB Port)	71
<b>Antenna</b>		
AN0141H01	VHF Stout and Long Antenna SMA Connector 136-147MHz/1575MHz	74
AN0153H02	VHF Stout and Long Antenna SMA Connector 147-160MHz/1575MHz	74
AN0167H01	VHF Stout and Long Antenna SMA Connector 160-174MHz/1575MHz	74
AN0155H02	VHF Stout and Long Antenna SMA Connector 136-174MHz/1575MHz	74
AN0375H01	UHF Stubby Antenna SMA Connector 350-400MHz/1575MHz	76
AN0435H02	UHF Stubby Antenna SMA Connector 400-470MHz/1575MHz	76
AN0485H01	UHF Stubby Antenna SMA Connector 450-520MHz/1575MHz	76

## PT580H Portable Accessories

Model	Name	Page
<b>Battery</b>		
BL1806	Li-ion Battery (1800mAh)	58
<b>Power Supply</b>		
CH10A04	MCU Rapid-rate Charger (for Li-ion/Ni-MH Batteries)	42
PS1018	EU-standard Switching Power Adapter	42
PS1014	US-standard Switching Power Adapter	42
PS1016	UK-standard Switching Power Adapter	42
PS1026	CN-standard Switching Power Adapter	42
PS1025	KR-standard Switching Power Adapter	42
PS1017	AU-standard Switching Power Adapter	42
PS1027	JP-standard Switching Power Adapter	42
MCA06	MCU Multi-unit Rapid-rate Charger	49
MCA05	Battery Optimizing System	50
CHV09	Vehicle Adapter for Charger (Output: 12V 1A)	52
<b>Earpiece</b>		
ESN10	Earbud with On-MIC PTT	07
EHN12	D-earset with On-MIC PTT	13
EAN16	Earpiece with On-MIC PTT & Transparent Acoustic Tube	17
EAN17	3-wire Surveillance Earpiece with Transparent Acoustic Tube (Beige)	21
EAN18	3-wire Surveillance Earpiece with Transparent Acoustic Tube (Black)	21
<b>Remote Speaker Microphone (RSM)</b>		
SM18N3	Waterproof Remote Speaker Microphone (IP57)	31
ESS07	Receive-Only Earbud (for use with RSM)	31
ESS08	Receive-Only Earpiece with Transparent Acoustic Tube (for use with RSM)	31

## PT580H Portable Accessories

Model	Name	Page
<b>Carrying Accessory</b>		
LCY003	Carrying Case (Thick Battery) (Leather) (Swivel)	62
BC08	Belt Clip (installed on the radio by screws)	67
RO04	Leather Strap	69
<b>Data Cable</b>		
PC36	Programming Cable (USB to Serial Port)	71
<b>Antenna</b>		
AN0375H01	UHF Stubby Antenna SMA Connector 350-400MHz/1575MHz	76
AN0405H04	UHF Stubby Antenna SMA Connector 380-430MHz/1575MHz	76

## PT580 Portable Accessories

Model	Name	Page
<b>Battery</b>		
BL1805	Li-ion Battery (1800mAh)	58
BL3201	Li-ion Battery (3200mAh)	59
<b>Power Supply</b>		
CH10L13	Dual Pocket MCU Charger (for Li-ion Batteries)	41
PS1018	EU-standard Switching Power Adapter	41
PS1014	US-standard Switching Power Adapter	41
PS1016	UK-standard Switching Power Adapter	41
PS1026	CN-standard Switching Power Adapter	41
PS1025	KR-standard Switching Power Adapter	41
PS1017	AU-standard Switching Power Adapter	41
PS1027	JP-standard Switching Power Adapter	41
CHV09	Vehicle Adapter for Charger (Output: 12V 1A)	52

## PT580 Portable Accessories

Model	Name	Page
<b>Earpiece</b>		
ESN10	Earbud with On-MIC PTT	07
EHN12	D-earset with On-MIC PTT	13
EAN16	Earpiece with On-MIC PTT & Transparent Acoustic Tube	17
EAN17	3-wire Surveillance Earpiece with Transparent Acoustic Tube (Beige)	21
EAN18	3-wire Surveillance Earpiece with Transparent Acoustic Tube (Black)	21
<b>Remote Speaker Microphone (RSM)</b>		
SM18N1	Waterproof Remote Speaker Microphone (IP57)	31
ESS07	Receive-only Earbud (for use with RSM)	31
ESS08	Receive-only Earpiece with Transparent Acoustic Tube (for use with RSM)	31
<b>Carrying Accessory</b>		
LCY002	Carrying Case (Thin Battery) (Leather) (Swivel)	62
LCY003	Carrying Case (Thick Battery) (Leather) (Swivel)	62
BC17	Belt Clip (installed on the radio by screws)	67
RO04	Leather Strap	69
<b>Data Cable</b>		
PC36	Programming Cable (USB to Serial Port)	71
<b>Antenna</b>		
AN0838H02	UHF Stubby Antenna SMA Connector 806-870MHz/1575MHz	76
AN0838H03	UHF Stubby Antenna SMA Connector 806-870MHz	75

## TM-800/TM-800M Mobile Accessories

Model	Name	Page
<b>Audio Accessory</b>		
SM07R2	Palm Microphone (Standard for TM-800)	81
SM07R1	Keypad Microphone (Standard for TM-800M)	82
SM11R1	Palm Microphone	83
SM10R2	Desktop Microphone	85
SM09S2	External Speaker	86
<b>Power Supply</b>		
PS22002	Power Supply (300W) (for High Power Models)	88
<b>Power Cord</b>		
PWC06	Mounting Bracket	90
PWC05	Mobile Radio Remote Mount Kit (3m)	90
POA15	Mobile Radio Remote Mount Kit (6m)	90
POA08	Mobile Radio Remote Mount Kit (15m)	90
<b>Mounting Accessory</b>		
BRK03	Mounting Bracket	94
RCC01	Mobile Radio Remote Mount Kit (3m)	97
RCC02	Mobile Radio Remote Mount Kit (6m)	97
RCC03	Mobile Radio Remote Mount Kit (15m)	97
<b>Data Cable</b>		
PC21	Programming Cable (COM Port)	101
CP09	USB-COM Data Cable	102
PC24	Data Transmission Cable Kit (only for TM-800)	103

## TM-800/TM-800M Mobile Accessories

Model	Name	Page
<b>Antenna</b>		
GPS03	GPS Antenna Kit	105
AN0138M05	VHF TQC-150CII 136-142MHz 3.5dBi UHF Interface M110 Mounting Tray	107
AN0155M07	VHF TQC-150CII 152-158MHz 3.5dBi UHF Interface M110 Mounting Tray	107
AN0165M05	VHF TQC-150CII 162-168MHz 3.5dBi UHF Interface M110 Mounting Tray	107
AN0171M05	VHF TQC-150CII 168-174MHz 3.5dBi UHF Interface M110 Mounting Tray	107
AN0358M05	UHF TQC-350FC 351-366MHz 3.5dBi UHF Interface	108
AN0380M01	UHF TQC-350FC 370-390MHz 3.5dBi UHF Interface M110 Mounting Tray	108
AN0375M03	UHF TQC-350CII 370-380MHz 5dBi UHF Interface M110 Mounting Tray	109
AN0405M01	UHF TQC-400DII 400-410MHz 5dBi UHF Interface M110 Mounting Tray	110
AN0415M01	UHF TQC-400DII 410-420MHz 5dBi UHF Interface M110 Mounting Tray	110
AN0425M01	UHF TQC-400DII 420-430MHz 5dBi UHF Interface M110 Mounting Tray	110
AN0435M02	UHF TQC-400DII 430-440MHz 5dBi UHF Interface M110 Mounting Tray	110
AN0445M02	UHF TQC-400DII 440-450MHz 5dBi UHF Interface M110 Mounting Tray	110
AN0455M02	UHF TQC-400DII 450-460MHz 5dBi UHF Interface M110 Mounting Tray	110
AN0462M20	UHF TQC-400DII 454-470MHz 5dBi UHF Interface M110 Mounting Tray	110

## TM-600/TM-610M/TM-628H Mobile Accessories

Model	Name	Page
<b>Audio Accessory</b>		
SM11R1	Palm Microphone (Standard for TM-600/610)	83
SM07R2	Palm Microphone	81
SM07R1	Keypad Microphone	82
SM10R2	Desktop Microphone	85
SM09S2	External Speaker	86
<b>Power Supply</b>		
PS22002	Power Supply (300W) (for High Power Models)	88

## TM-600/TM-610M/TM-628H Mobile Accessories

Model	Name	Page
<b>Power Cord</b>		
PWC06	Vehicle Power Cord (10A) (for Low Power Models below 25W)	90
PWC05	Vehicle Power Cord (15A) (for High Power Models above 25W)	90
POA15	Tube Fuse (10A-32VAC) (for use PWC06)	90
POA08	Tube Fuse (15A-32VAC) (for use PWC05)	90
<b>Mounting Accessory</b>		
BRK04	Mounting Bracket	94
<b>Data Cable</b>		
PC21	Programming Cable (COM Port)	101
CP09	USB-COM Data Cable	102
<b>Antenna</b>		
AN0138M05	VHF TQC-150CII 136-142MHz 3.5dBi UHF Interface M110 Mounting Tray	107
AN0155M07	VHF TQC-150CII 152-158MHz 3.5dBi UHF Interface M110 Mounting Tray	107
AN0165M05	VHF TQC-150CII 162-168MHz 3.5dBi UHF Interface M110 Mounting Tray	107
AN0171M05	VHF TQC-150CII 168-174MHz 3.5dBi UHF Interface M110 Mounting Tray	107
AN0358M05	UHF TQC-350FC 351-366MHz 3.5dBi UHF Interface	108
AN0380M01	UHF TQC-350FC 370-390MHz 3.5dBi UHF Interface M110 Mounting Tray	108
AN0375M03	UHF TQC-350CII 370-380MHz 5dBi UHF Interface M110 Mounting Tray	109
AN0405M01	UHF TQC-400DII 400-410MHz 5dBi UHF Interface M110 Mounting Tray	110
AN0415M01	UHF TQC-400DII 410-420MHz 5dBi UHF Interface M110 Mounting Tray	110
AN0425M01	UHF TQC-400DII 420-430MHz 5dBi UHF Interface M110 Mounting Tray	110
AN0435M02	UHF TQC-400DII 430-440MHz 5dBi UHF Interface M110 Mounting Tray	110
AN0445M02	UHF TQC-400DII 440-450MHz 5dBi UHF Interface M110 Mounting Tray	110
AN0455M02	UHF TQC-400DII 450-460MHz 5dBi UHF Interface M110 Mounting Tray	110
AN0462M20	UHF TQC-400DII 454-470MHz 5dBi UHF Interface M110 Mounting Tray	110

## TR-50 Repeater Accessories

Model	Name	Page
<b>AC Power Cord</b>		
PWC03	Tri-core Power Cord	92
<b>DC Power Cord</b>		
PWC07	DC Power Cord	90
<b>Audio Accessory</b>		
SM08R1	Remote Speaker Microphone	84
<b>Duplexer Kit</b>		
DK01	Duplexer Kit (Frequency Range:137-172MHz)	99
DK02	Duplexer Kit (Frequency Range:336-370MHz)	99
DK03	Duplexer Kit (Frequency Range:380-470MHz)	99
<b>Installation Accessory</b>		
BRK06	External Duplexer Installation Kit	95
<b>Data Cable</b>		
PC14	Transmitter Programming Cable (COM Port)	101
PC15	Receiver Programming Cable (COM Port)	101

## TR-800 Repeater Accessories

Model	Name	Page
<b>AC Power Cord</b>		
PWC03	Tri-core Power Cord	92
<b>DC Power Cord</b>		
PWC04	DC Power Cord	90



## TR-800 Reapter Accessories

Model	Name	Page
<b>Audio Accessory</b>		
SM07R2	Palm Microphone	81
SM10R2	Desktop Microphone	85
<b>Duplexer</b>		
DT01	Duplexer (Frequency Range: 137-172MHz) (Frequency Spacing: 4.5-13MHz)	99
DT02	Duplexer (Frequency Range: 336-370MHz) (Frequency Spacing: 10MHz)	99
DT03	Duplexer (Frequency Range: 380-470MHz) (Frequency Spacing: 5-20MHz)	99
DT07	Duplexer (Frequency Range: 400-480MHz) (Frequency Spacing: 5-10MHz)	99
DT10	Duplexer (Frequency Range: 350-390MHz) (Frequency Spacing: 5-10MHz)	99
<b>Data Cable</b>		
PC21	Programming Cable (COM Port)	101

## MD78X(G)Series Mobile Accessories

Model	Name	Page
<b>Audio Accessory</b>		
SM16A1	Palm Microphone	79
SM19A1	Keypad Microphone	80
SM10A1	Desktop Microphone	85
SM09D1	External Speaker	86
<b>Power Supply</b>		
PS22002	Power Supply for Mobile Radio (300W, Backup Power Supply applicable)	88

## MD78X(G)Series Mobile Accessories

Model	Name	Page
<b>Power Cord</b>		
PWC10	Vehicle Power Cord (>15A)	91
POA33	Tube Fuse (15A-32VAC)	91
<b>Mounting Accessory</b>		
BRK08	Mounting Bracket	94
<b>Data Cable</b>		
PC37	10-pin Programming Cable (USB port)	101
PC40	DB26- Data Cable (USB port)	102
<b>Antenna</b>		
AN0139M01	VHF TQC-150AII 136-142MHz 2.15dBi BNC Interface M110 Mounting Tray	106
AN0155M06	VHF TQC-150AII 152-158MHz 2.15dBi BNC Interface M110 Mounting Tray	106
AN0165M04	VHF TQC-150AII 162-168MHz 2.15dBi BNC Interface M110 Mounting Tray	106
AN0171M11	VHF TQC-150AII 168-174MHz 2.15dBi BNC Interface M110 Mounting Tray	106
AN0139M02	VHF TQC-150CII 136-142MHz 3dBi BNC Interface M110 Mounting Tray	107
AN0155M05	VHF TQC-150CII 152-158MHz 3dBi BNC Interface M110 Mounting Tray	107
AN0165M03	VHF TQC-150CII 162-168MHz 3dBi BNC Interface M110 Mounting Tray	107
AN0171M12	VHF TQC-150CII 168-174MHz 3dBi BNC Interface M110 Mounting Tray	107
AN0358M12	UHF TQC-350FC 351-366MHz 3.5dBi BNC Interface M110 Mounting Tray	108
AN0380M03	UHF TQC-350FC 372-388MHz 3.5dBi BNC Interface M110 Mounting Tray	108
AN0358M11	UHF TQC-350CII 351-366MHz 5dBi BNC Interface M110 Mounting Tray	109
AN0380M02	UHF TQC-350CII 372-388MHz 5dBi BNC Interface M110 Mounting Tray	109
AN0408M02	UHF TQC-400FC 400-416MHz 3.5dBi BNC Interface M110 Mounting Tray	108
AN0438M03	UHF TQC-400FC 430-446MHz 3.5dBi BNC Interface M110 Mounting Tray	108

## MD78X(G)Series Mobile Accessories

Model	Name	Page
Antenna		
AN0462M03	UHF TQC-400FC 454-470MHz 3.5dBi BNC Interface M110 Mounting Tray	108
AN0408M01	UHF TQC-400DII 400-416MHz 5dBi BNC Interface M110 Mounting Tray	110
AN0438M02	UHF TQC-400DII 430-446MHz 5dBi BNC Interface M110 Mounting Tray	110
AN0462M02	UHF TQC-400DII 454-470MHz 5dBi BNC Interface M110 Mounting Tray	110

## RD98X(G)Series Reapter Accessories

Model	Name	Page
DC Power Cord		
PWC11	DC Power Cord (10A 12AWG)	91
POA33	Tube Fuse (15A-32VAC)	91
Duplexer		
DT11	Duplexer (Freq.Range: 380-470MHz) (Tx/Rx Spacing: 5-13MHz)	99
DT14	Duplexer (Freq.Range: 336-370MHz) (Tx/Rx Spacing: 8-13MHz)	99
DT12	Duplexer (Freq.Range: 160-174MHz) (Tx/Rx Spacing: 5MHz)	99
DT13	Duplexer (Freq.Range: 148-160MHz) (Tx/Rx Spacing: 5MHz)	99
Dt15	Duplexer (Freq.Range: 136-148MHz) (Tx/Rx Spacing: 5MHz)	99
Audio Accessory		
SM16A1	Palm Microphone	79
SM10A1	Desktop Microphone	85

## RD98X(G)Series Reapter Accessories

Model	Name	Page
Power Supply		
PS22002	Power Supply for Mobile Radio (300W, Backup Power Supply applicable)	88
Installation Accessory		
BRK12	Installation accessory for rack-mounted power supply (2U) (Black)	96
BRK14	Installation Accessory for Rack-mounted Power Supply (2U) (Gray)	96
BRK09	Duplexer Installation Kit	95
Data Cable		
PC37	10-pin Programming Cable (USB port)	101
PC40	DB26- Data Cable (USB port)	102

## MT680 Mobile Accessories

Model	Name	Page
Audio Accessory		
SM16A1	Palm Microphone	79
SM10A1	Desktop Microphone	85
SM09D1	External Speaker	86
Power Supply		
PS22002	Power Supply for Mobile Radio (300W, Backup Power Supply applicable)	88
Power Cord		
PWC10	Vehicle Power Cord (>15A)	91
POA33	Tube Fuse (15A-32VAC)	91

## MT680 Mobile Accessories

Model	Name	Page
Mounting Accessory		
BRK11	Mounting Bracket	94
Data Cable		
PC35	10-pin Programming Cable (USB to Serial por)	101
PC39	DB26- Data Cable (USB to Serial port)	102
Antenna		
GPS04	GPS Antenna (SMA, 1575MHz)	105
AN0358M11	UHF TQC-350CII 351-366Mhz 5dBi BNC Interface M110 Mounting Tray	109
AN0385M04	UHF TQC-350DIIS 380-390MHz 5.5dBi BNC Interface M110 Mounting Tray	109
AN0395M06	UHF TQC-350DIIS 390-400MHz 5.5dBi BNC Interface M110 Mounting Tray	109
AN0415M04	UHF TQC-400DIIS 410-420MHz 5.5dBi BNC Interface M110 Mounting Tray	110
AN0425M03	UHF TQC-400DIIS 420-430MHz 5.5dBi BNC Interface M110 Mounting Tray	110
AN0838M03	UHF TQC-900BII 806-870MHz 7dBi BNC Interface M110 Mounting Tray	111

## DT600 Modem Accessories

Model	Name	Page
Power Cord		
PWC10	Vehicle Power Cord(>15A)	91
Mounting Accessory		
BRK10	Mounting Bracket	94
Data Cable		
PC41	Data Cable (USB to DB9 Female Connector)	103
PC42	Data Cable (USB to DB9 Male Connector)	103
Antenna		
GPS04	GPS Antenna (SMA,1575MHz)	105
AN0420M04	UHF TQC-400FCS 410-430MHz 3dBi BNC Interface M110 Mounting Tray	108
AN0390M02	UHF TQC-400FCS 380-400MHz 3dBi BNC Interface M110 Mounting Tray	108

## Battery Care & Tips

Do abide by the following instructions to obtain optimized performance and a longer life cycle from your battery:

- Storage and Maintenance

- (1) Proper temperature

- The battery must be stored indoors with temperature of 5°C-20°C (41°F to 68°F) and RH less than 75%. Be sure to keep it far away from acid and heat sources.

- (2) Stock rotation on the first-in and first-out basis

- Always use the oldest battery first, because long term storage can accelerate battery self-discharge, leading to deterioration in battery performance.

- (3) Regular maintenance

- For Li-ion batteries: recharge every 3 months and maintenance every 6 months;

- For Ni-MH batteries: recharge every month and maintenance every 3 months;

- Recharge method: discharge the battery fully and recharge it for one hour with the supplied desktop charger.

- Maintenance method: discharge and recharge the battery for 3 cycles and finally charge the battery again for one hour with the supplied desktop charger.

- Instructions for Use

- (1) Make sure the battery temperature is about 20°C. Charging below 4°C and above 40°C will decrease cycle life and impair charging efficiency.

- (2) Replace or recharge the battery that runs low to avoid excessive discharge.

- (3) Do charge the battery with our authorized desktop charger or multi-unit charger.

- (4) Overcharge shall always be prohibited for it may shorten the battery life.

- (5) It is recommended to charge the battery alone. When charging a battery attached to a radio, turn the radio off to ensure a full charge.

- (6) Do not remove the battery during charging for better charging efficiency and longer life.

- (7) Avoid recharging a fully charged battery, or it will reduce the cycle life.

- (8) Do not use a metal object to connect the charging piece to avoid short circuit.

- (9) Care shall be taken to operate the battery and keep it free of drop and rain intrusion.

- (10) Do not operate the battery near a gas station and never dispose of it in fire.

- (11) Never dismantle or repair the battery. If necessary, please contact us or our authorized dealer for technical support.

- Others

- For transportation safety, each battery is partially charged before delivery. Accordingly, it is required to fully discharge and recharge the new battery three cycles, achieving its maximum capacity.

For more information, please contact us:

Overseas service hotline: +86-755-86137081

Overseas service email address: [overseas.service@hytera.com](mailto:overseas.service@hytera.com)

Web: [www.hytera.com/service](http://www.hytera.com/service)

