Standard accessories

The standard accessories supplied for the radio have a variety of specification options adaptable to different countries and regions.

KTC-21(UK) Switching power	KTC-23(EU) Switching power	KTC-25(US) Switching power	KTC-26(AU) Switching power
KBC-36C Desktop charger	KB-36C Li-poly 1700mAh Battery pack		
Antenna	KBJ-04 Belt Clip	KGS-01 Hand strap	

Optional Accessories:

KB-70A Li-poly 1300mAh Battery pack	KPT-12 Leather Case	KBC-06A4 6-slot universal charger	KME-68A Speaker-Mic
KSPL-03 Programming cable	KME-68D Earpiece-Mic	KME-68B Earpiece-Mic	
KB-36D Car power supply			

PT6800

SPECIFICATIONS

General

Frenquency Range	136~174MHz 400~470MHz 350~390MHz
Channel Capacity	128
Channel Spacing	12.5KHz/20KHz/25KHz
Frenquency Stability operating temperature	2.5ppm -25℃~ + 55℃
Operating voltage	7.5V DC ±20%
Dimension(H×W×D)	56mm×120mm×35mm
Weight	310g
Battery	1700mAh li-poly

Transmitter

RF Power	4W/1W(UHF) 5W/1W(VHF)
Frenquency modulation	16KφF3E/11KφF3E
Antenna Impedance	50Ω
Modulation Limiting	±2.5KHz@12.5KHz, ±4KHz@25KHz ±5KHz@25KHz
Modulation Distortion	< 5%
Radiated Spurious Emission	-36dBm < 1GHz/-30dBm > 1GHz
FM Noise	-40dB @ 25KHz/-35dB @ 12.5KHz
Adjacent Channel Power	-60dB @ 12.5KHz/-70dB @20/ 25KHz

Receiver

Reference Sensitivity	0.28μV@12.5KHz 0.25μV@20/25KHz typical
Operating Bandwidth	W≥±7 N≥±3.5
First IF of Receiver	51.65
Second IF of Receiver	450
Adjacent channel Selectivity	60dB @ 12.5KHz 70dB @ 20/25KHz
Intermodulation Rejection	65 dB
Spurious Response Rejection	70 dB
Rated Audio Power	1W
Rated Audio Distortion	5%
FM Hum&Noise	40/35

NOTICE: The specifications may be subject to change without notice due to advancement in technology, for more detailed information, please contact KIRISUN Electronics [Shenzhen] Co., Ltd.

For more information, please contact:

PT6800
Trunked Portable Radio

- Built-in Conventional & MPT Trunking Mode
- Enhanced MPT Trunking Functions
- Multiple System Parameters
- Full Dot-matrix Display and Keypad
- Customizable Function Menu
- Power-on/Read/Program Password
- 2.5/5/6.25 kHz PLL Steps
- Various Call Features
- Longer Working Hours
- Durable & Rugged Design

PT6800
Trunked Portable Radio

ADVANTAGES

Multiple modes
Conventional and MPT Trunking features are built-in. Operating modes are selectable by preprogrammed short-cut keys. Talk Around feature could be programmed as automatically start once there is no signal for MPT trunking system.

Upgradeable Software
Flash memory enables future system upgrades.

6 System Settings
Up to 6 system settings with different personalities, such as contacts, conventional channels, control channels, MPT talking channel schemes and so on, offer great roaming possibilities to the PT-6800.

32 Conventional Channels with Alias

64 MPT Control Channels with Priority

20 MPT Turnking Channel Schemes

Full Dot-matrix Display
32*128 LCD with full dot-matrix and 11 icons offers more convenience in operation on the utilities menu. Message and status of the radio could be read easily, such as the signal strength and battery capacity.

Password protection
The reading and programming on radio data, and the power-on of the radio could be protected by password to ensure the security and prevent data reveal.

Audio Compander
The built-in audio compander could be switched on or off for each channel to reduces noise and provides clear reception.

MIL Grade Durability
The rugged construction designed to meet MIL STD 810 C/D/E/F allows the radio to be used in harsh environment and could be took rough treatment

Optional large capacity battery and Longer Working Hours
The optional 1750 mAh Li-poly battery and low standby current in MPT trunking mode enables longer stand-by and working time.

Multiple PLL Steps
2.5 kHz, 5 kHz and 6.25 kHz could be used for MPT trunking and conventional channel frequency assignment for greater efficiency in frequency resources.

CTCSS/DCS Encoder/Decoder
Built-in CTCSS/DCS Encoder/Decoder can prevent co-channel interference and unwanted conversations on the same frequency and ensure smooth communication in both conventional and MPT trunking mode.

High/Low Power Switch
The TX power could be programmed as high or low per channel. And it could be switched in MPT trunking mode by function menu.

Keypad/LCD Back-lit Switch
The backlit of LCD and keypad could be switched on or off for night time operations or less power consumption.

Scan and DTMF dialing in conventional mode

Busy Channel Lockout (BCLO)
BCLO is used to prevent the interference with the on-going conversation. If BCLO is on, the radio will be remaining in receiving status even with PTT pressed to avoid interfering with others on conversation.

Time-out Timer (TOT)
When TOT is on and the transmission exceeds the preset time limit, the radio will stop after warning tone. TOT can prevent the radio from any potential damage caused by overlong transmission.

Rapid Log-on Search & Background Search
Multi-scanning in different setting helps the radio search out the base station quickly. The radio could as well log-on the base station with strongest signal at any time. PT-6800 could even switch to different system manually according to preset 64 system code with alias.

Customizable Function Menu
The function menu used for settings on most functions could be customized by programming software according to different authorization.

Contact List & Home Address
The radio could save up to 200 contacts in the contact list for quickly dial and Caller ID service. And home address feature allows one-key dial-out while stand-by.

Programmable Short-cuts
Up to 9 programmable short-cuts offers easy-to-access on most daily use functions.

One-key Emergency Call
Orange emergency button on top of the radio enables prompt call for help under critical circumstances.

Remote Kill/Activate
If the radio is killed, all attempts on operation by user, except power on/off, will be ignored. The radio will be activated only when it received the correct instruction from MPT trunking control center.

Dynamic Grouping
For temporarily communication among radios from different groups, the base station could quickly group those radios as a new team by sending a remote instruction.

Short Data Message
32 short data messages enable more convenience in daily use. Message with up to 100 characters could be read from large LCD.
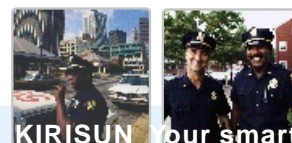
Call List
Up to 10 last dialed numbers could be saved even in power failure for redialing. And there are also 10 phone number could be preprogrammed for quick dialing.

Versatile Calls
With support of the MPT trunking system, PT-6800 could realize short data message call, individual/group call, broadcasting call, priority call, PABX/PSTN call etc.

Call Restriction
To increase the conversation efficiency among group, the radio could be programmed to call authorized units or groups only. The radio could be set as non-disturb status or to transfer all incoming call to assigned unit for special conditions.