



KG-UV920R

Dual Band FM Mobile Transceiver

Dual Band Simultaneous
Reception
Dual Display
Over 999 Memo

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2010-2011 Product Catalog

PROFESSIONAL FM TRANSCEIVER

FC CE RoHS IC ISO9001:2008/ISO14001:2004 www.wouxun.com

NEW TRANSCEIVER		HAND-HELD TWO-WAY RADIO		PMR446 WALKIE TALKIE	ACCESSORIES
KG-UV920R.....01-02	KG-816.....07	KG-833.....09	KG-659E.....14	KG-819(S).....19	Standard Accessories.....21
KG-UVD1P.....03-04	KG-819.....08	KG-639E.....10	KG-689E.....15	KG-833(S).....19	Optional Accessories.....22
KG-UVA1.....05		KG-699E.....11	KG-679E.....16	KG-659E(S).....19	
KG-869.....06		KG-703E.....12	KG-619.....17	KG-639E(S).....20	
		KG-669E.....13	KG-3000.....18	KG-703E(S).....20	

ABOUT US

The Development Courses of Quanzhou Wouxun Electronics Co., Ltd.

Founded in 2000

- Established "Quanzhou Kexun Electronics Co., Ltd", and manufactured "KG-6228" and "KG-3118".

IN 2001

- Produced the watch style KG-3000, KG-4508 and other models.

IN 2002

- The commercial license officially changed into Quanzhou Wouxun Electronics Co., Ltd.

IN 2003

- Awarded [the certificate for users' satisfactory brand].

IN 2004

- Successfully registered trademark.

IN 2005

- Smoothly authenticated the ISO9001:2000 Quality Administration System.
- Independently researched and developed the first Two-way Radio: KG-669E.
- In the same year, applied the Exterior Appearance Patent Certificate for KG-669E. The number of the certificate is ZL200530136384.1.
- At the same period, became the first council corporation in the Two-way Radio Association.

IN 2006

- The first R&D radio KG-669E marketed successfully, and gained high reputations throughout the world.
- In the same year, R&D a great series of Two-way Radios, such as KG-679E, KG-689E, KG-699E and KG-639E.
- At the same time, attended the HKTDC Hong Kong Electronics Fair(both Spring & Autumn Editions).

IN 2007

- Creatively marketed KG-689E. It displays with dual channel and dual frequency, and standbys two frequencies, which made the application area for two-way radio much wider.
- In the same year, accredited the Exterior Appearance Patent Certificate for KG-679E, KG-689E and KG-659E.
- KG-639E, KG-659E, KG-669E, KG-679E, KG-689E and KG-699E the CE were successfully authenticated by CE.
- Attended the HKTDC Hong Kong Electronics Fair(both Spring & Autumn Editions).

IN 2008

- In January, marketed KG-639E and KG-699E, which have the regular functions as radios, but also added 8 groups scrambler, digital FM radio, inspection, stun, kill, monitor and emergency functions, etc. All the above functions without any extra fee. The multi-functionality and the excellent performance gained high reputations all over the world.
- Attended the HKTDC Hong Kong Electronics Fair(both Spring & Autumn Editions).
- KG-639E, KG-659E, KG-669E, KG-679E, KG-689E, KG-699E, KG-703E and KG-801E were successfully authenticated by FCC.
- Developed the made-in-china dual band radio KG-UVD1, and achieved the dual band, dual frequency, dual display and dual standby function.

IN 2009

- In May, triumphantly marketed homemade dual band radio KG-UVD1, and gained great attention and reputation.
- In June, attended the second meet for VIP about the Digital Transceiver Enterprise Standard Union and Technology Discussion.
- In July, attended the third meet for VIP about the Digital Transceiver Enterprise Standard Union and Technology Discussion.
- In July, duly developed the upgrade version KG-UVD1P, which added the CTCSS and DCS scan function, 1750Hz tone, DTMF encoding, etc. It greatly pushes the dual band radio onto a top.
- In August, became the VIP for the National Standard Draft Organization in the Technical Request and Testing Means for Digital Two-way Equipment.
- Smoothly authenticated the ISO9001:2008 Quality Management System and ISO14001:2004 Environment Management System.
- In November, R&D new models KG-816 and KG-819, with special appearances and extremely nice hand-feeling, gained high reputations throughout the market.
- Attended the HKTDC Hong Kong Electronics Fair(both Spring & Autumn Editions).
- KG-UVD1, KG-UVD1P, KG-UV2D, KG-UV3D, KG-UV5D, KG-699E, KG-689E, KG-679E, KG-669E, KG-659E, KG-639E, KG-619, KG-703E, KG-801E, KG-833, KG-816, KG-819 and KG-3000 were successfully authenticated by RoHS.

IN 2010

- Attended the HKTDC Hong Kong Electronics Fair (both Spring & Autumn Editions).
- The handheld dual band transceiver were successfully authenticated by FCC, the ID number is WVTWOUXUN04.
- KG-816, KG-819 and KG-869 were successfully authenticated by CE.
- R&D new products, including dual band mobile radio KG-UV920R, dual band handheld transceiver without display KG-UVA1, model KG-869, etc.

Authentication

Approved by FCC CE RoHS IC ISO9001:2008/ISO14001:2004



RATTE STATEMENT OF OPINION (KG-UVD1P)



RATTE STATEMENT OF OPINION (KG-699E/639E/659E/679E/689E/703E/801E/833)



EC-RATTE CERTIFICATE (KG-689E/699E/79E/669E/659E/639E)



RATTE STATEMENT OF OPINION (KG-703E/801E/699E/639E/833)



NOTIFIED BODY STATEMENT OF OPINION (KG-816/819)



DECLARATION OF CONFORMITY (KG-UVD1/UV1P/699E/639E/679E/689E/659E/679E/639E/833/691E/833/619/819/3000)



RATTE STATEMENT OF OPINION (KG-819/869)



ISO9001:2008



FCC CERTIFICATE (KG-UVD1P/UV1A)



FCC CERTIFICATE (KG-699E/639E/659E/669E/679E/689E/703E/801E)



TYPE APPROVAL CERTIFICATE (KG-UVD1P)



TYPE APPROVAL CERTIFICATE (KG-689E)



TYPE APPROVAL CERTIFICATE (KG-819)



ISO14001:2004



TYPE APPROVAL CERTIFICATE (KG-816)



TYPE APPROVAL CERTIFICATE (KG-669E)



TYPE APPROVAL CERTIFICATE (KG-659E)



TYPE APPROVAL CERTIFICATE (KG-639E)

More varieties

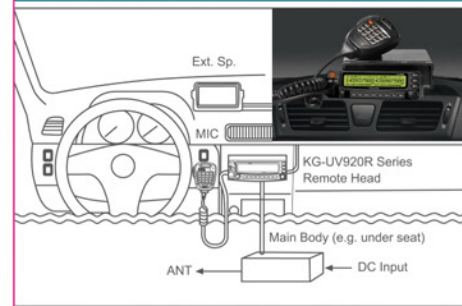
More options for you...



Dual Band Simultaneous
Reception
Dual Display
Over 999 Memory Channels



KG-UV920R



Main Technical Specification

Frequency Range	(RX) FM: 65-220MHz (Frequency spacing 100K) LW: 150-500KHz AM: 500-2000KHz	Frequency Stability	± 2.5ppm
	(RX/TX) FM: 136-174MHz (216-280MHz/350-390MHz) 400-470MHz/400-480MHz/420-520MHz	Standby Current	500mA
Frequency Steps	5KHz / 6.25KHz / 10KHz / 12.5KHz / 20KHz / 25KHz / 30KHz / 50KHz / 100KHz	TX Current	9.0A (Max.)
		TX Power	VHF: 50W / 25W / 5W UHF: 40W / 20W / 5W
Operating Mode	F2D/F3E	Max.Frequency Deviation	< 5KHz
Antenna Impedance	50Ω	RX Sensitivity	< 0.2μV
Operating Temperature	-20°C to +60°C	Modulation Distortion	< 5%
Supply Voltage	13.8VDC ± 15% (negative grounded)	Audio Response	(300-3000Hz) +1~-3dB
		Adjacent Channel Power	12.5KHz < -60dB ± 25KHz < -70dB
		Spurious Emission	9KHz-1GHz < -36dBm 1GHz-112.75GHz < -30dBm

Dual Band Cross-band Repeat

- **Multi-band Transmit/Receive**
UHF: 400-520MHz, VHF: 136-174MHz, FM: 65-220MHz, AM: (1) 500-2000 KHz (2) 50-500KHz (3) 2-30MHz
- **Dual Receive**
Dual band simultaneous reception
- **Dual Display**
Wide LCD dual frequency display, with independent operation
- **Over 999 Memory Channels**
Different areas division
- **Strong and Stable RF Power (VHF: 50W / UHF: 40W)**
- **Front Panel Separation**
Convenient panel separation function simplifies special installation

- **Cross-band Repeat**
UHF & VHF cross-band repeat capacity
- **Dual Mobiles Same- / Cross-band Repeat**
- **QT/DQT**
- **Humanized Speaker Setting**
- **Caller ID Function**
Shows the caller's ID code
- **Group Calls, All Calls and Selective Calls**
- **1750Hz Burst Tone**

Dual Band



Dual Band Dual Frequency
Dual Display and Dual Standby

Frequency Range Can Be
Suitable for Different Countries or Areas

136-174 & 350-470MHz(RX/TX) 136-174 & 216-280MHz(RX/TX)
136-174 & 400-480MHz(RX/TX) 136-174 & 225-226MHz(RX/TX)
136-174 & 420-520MHz(RX/TX) 144-146 & 430-440MHz(RX/TX)
136-174 & 400-470MHz(RX/TX) 136-174 & 245-250MHz(RX/TX)
66-88 & 400-480MHz(RX/TX) FM: 76-108MHz(RX)



Main Features:

- Dual Band, Dual Frequency, Dual Display and Dual Standby
- Working Mode: VHF&UHF, UHF&UHF or VHF&VHF
- 1750Hz Burst Tone
- DTMF Encoding Function
- CTCSS/DCS Scan (Digital/Analog)
- Bright Flashlight Illumination
- Band Can Be Set Freely:
VHF TX-UHF RX or UHF TX-VHF RX
- English Voice Guide
- Digital FM Radio
- Wide/Narrow Bandwidth Selection (25KHz/12.5KHz)
- Priority Channel Scan, Add Scanning Channel
- High/Low Power Selection (VHF: 5W/1W UHF: 4W/1W)
- Channel Name Edit and Display
- 105 Groups DCS / 50 Groups CTCSS
- Multi Step Frequency (5K/6.25K/10K/12.5K/25K/50K/100K)
- VOX Transmission (Level Adjustable)
- Transmil Overtime Voice Prompt
- Begin/End Transmitting Beep Prompt
- Scrambler and 5 Tones (Optional)

Main Technical Specification

Frequency Range(MHz)	Frequency Range Can Be Suitable for Different Countries or Areas	Frequency Stability	± 2.5ppm
Memory Channels	128	RF Carrier Power	UHF:4W / VHF: 5W
Frequency Stability	± 2.5ppm	Effective Radiation Power(ERP)	< ± 7.5dB
Operating Voltage	7.4V	Max. Frequency Deviation	25KHz ± 5KHz/12.5KHz ± 2.5KHz
Operating Temperature	-30℃ to + 60℃	Audio Modulation	+3dB(pre-emphasis by 6dB between 0.3-3KHz)
Antenna Impedance	50Ω	Spurious Radiation(TX)	< -36dBm
Dimension	58x105x38(mm)	Inter Modulation Attenuation	> 40dB
Weight	250g	Modulation Distortion	< 10%
Sensitivity(12dB SINAD)	0.16 μV	Audio Response	(300-3000Hz)±1~-3dB
Squelch Sensitivity	< 0.2 μV	Co-channel Rejection	> -8.0dB
Audio Output Power	500mW	Performance of Amplitude Limiter	< 3
Audio Distortion	< 5%	Adjacent Channel Selection	25KHz > 70dB/12.5KHz > 60dB
		Inter-modulation	> 65dB
		Spurious Radiation(RX)	9KHz-1GHz < -57dBm/1GHz-4GHz < -47dBm



KG-UVD1P

1750Hz Burst Tone

SOS Function

DTMF Encoding Function



U.V
DUAL BAND

FCI ID: W/TW00XUN04



Main Technical Specification			
Frequency Range(MHz)	Frequency Range Can Be Suitable for Different Countries or Areas	Frequency Stability	± 2.5ppm
		RF Carrier Power	UHF:4W / VHF: 5W
		Effective Radiation Power(ERP)	< ± 7.5dB
Memory Channels	16	Max. Frequency Deviation	25KHz ± 5KHz/12.5KHz ± 2.5KHz
Frequency Stability	± 2.5ppm	Audio Modulation	+3dB(pre-emphasis by 6dB between 0.3-3KHz)
Operating Voltage	7.4V	Spurious Radiation(TX)	< -36dBm
Operating Temperature	-30°C to + 60°C	Inter Modulation Attenuation	> 40dB
Antenna Impedance	50Ω	Modulation Distortion	< 10%
Dimension	60x120x37(mm)	Audio Response	(300-3000Hz)+1~-3dB
Weight	226g	Co-channel Rejection	> -8.0dB
Sensitivity(12dB SINAD)	0.16 μV	Performance of Amplitude Limiter	< 3
Squelch Sensitivity	< 0.2 μV	Adjacent Channel Selection	25KHz > 70dB/12.5KHz > 60dB
Audio Output Power	500mW	Inter-modulation	> 65dB
Audio Distortion	< 5%	Spurious Radiation(RX)	9KHz-1GHz < -57dBm/1GHz-4GHz < -47dBm

KG-UVA1 SOS Function Begin/End Transmitting Beep Prompt

Main Features:

- Band Can Be Set Freely: VHF TX-UHF RX or UHF TX-VHF RX
- SOS Function
- Begin/End Transmitting Beep Prompt
- FM Radio
- High/Low Power Selection (VHF: 5W/1W UHF: 4W/1W)
- DTMF Encoding Function
- VOX Transmission (Level Adjustable)
- 105 Groups DCS / 50 Groups CTCSS
- 1750Hz Burst Tone
- Voice Prompt
- Wide/Narrow Bandwidth Selection (25KHz/12.5KHz)
- Multi Scan Mode (TO/CO/SE)
- Priority Channel Scan
- Add Scanning Channel
- Busy Channel Lockout
- Bright Flashlight Illumination
- Low Battery Prompt
- Transmit Overtime Prompt
- Program by Computer
- Wire-clone Function
- Intelligent Charger
- High Capacity Li-ion Battery

Main Technical Specification				
Frequency Range(MHz)	VHF: 66-88MHz	136-174MHz	Modulation Type	FM(F3E)
	245-246MHz			
Channel Spacing	Wide 25KHz / Narrow 12.5KHz		Max.Frequency Deviation	< ± 5KHz
	UHF: 400-470MHz 400-480MHz 450-520MHz 470-490MHz			
Output Power	VHF:5W/1W	UHF:4W/1W	Adjacent Channel Selectivity	> 65dB
Memory Channels	199		Frequency Stability	± 2.5ppm
Voltage(DC)	7.4V		Sensitivity(12dB SINAD)	< 0.2 μV
Working Temperature	-30°C to + 60°C		Audio Power Output	> 500mW
Antenna Impedance	50Ω		Spurious Radiation	< -60dB
Audio Distortion	< 5%		Weight(including batterypack)	214g
			Size(without antenna)	100.6x56.5x33(mm)

KG-869 Dual Channel Dual Display and Dual Standby

Main Features:

- Begin/End Transmitting Beep Prompt
- ANI (Caller ID)
- SOS Function
- 1750Hz Burst Tone
- Inspection, Monitor, Stun, Kill and Emergency Alarm
- 105 Groups DCS / 50 Groups CTCSS
- Voice Guide
- Distant Alarm
- Call Ring
- VOX Transmission (Level Adjustable)
- Digital FM Radio with Frequency Display
- Wide/Narrow Bandwidth Selection (25KHz/12.5KHz)
- Reverse Frequency Function
- Multi Scan Mode (TO/CO/SE)
- All Calls, Group Calls and Selective Calls
- Multi Step Frequency (5K/6.25K/10K/12.5K/25K/50K/100K)
- Multi Displaying Mode (Frequency/Channel/Channel Name)
- Speedy Working Mode Shift (CH/FR)
- Channel Name Edit and Display
- Battery Capacity Prompt
- TOT (Time-out Timer)
- Busy Channel Lockout
- Wire-clone Function
- Programmable by Computer

CTCSS Scan and DCS Scan DTMF Encoding and Decoding





KG-816

Main Features:

- Begin/End Transmitting Beep Prompt
- ANI (Caller ID)
- SOS Function
- 1750Hz Burst Tone
- Inspection, Monitor, Stun, Kill and Emergency Alarm
- 105 Groups DCS / 50 Groups CTCSS
- Voice Guide
- Distant Alarm
- Call Ring
- VOX Transmission (Level Adjustable)
- Digital FM Radio with Frequency Display
- Wide/Narrow Bandwidth Selection (25KHz/12.5KHz)
- Reverse Frequency Function
- Multi Scan Mode (TO/CO/SE)

Bright Flashlight Illumination Function

CTCSS Scan and DCS Scan

DTMF Encoding and Decoding

- All Calls, Group Calls and Selective Calls
- Multi Step Frequency (5K/6.25K/10K/12.5K/25K/50K/100K)
- Multi Displaying Mode (Frequency/Channel/Channel Name)
- Speedy Working Mode Shift (MENU+AL)
- Channel Name Edit and Display
- Battery Capacity Prompt
- TOT (Time-out Timer)
- Busy Channel Lockout
- Keypad Lock (Auto/Manual)
- Wire-clone Function
- Programmable by Computer



Main Technical Specification			
Frequency Range(MHz)	VHF: 66-88MHz 136-174MHz 245-246MHz UHF: 400-470MHz 400-480MHz 450-520MHz 470-490MHz	Modulation Type	FM(F3E)
Channel Spacing	Wide:25KHz / Narrow:12.5KHz	Max.Frequency Deviation	< ± 5KHz
Output Power	VHF:5W/1W UHF:4W/1W	Adjacent Channel Selectivity	> 65dB
Memory Channels	199	Frequency Stability	± 2.5ppm
Voltage(DC)	7.4V	Sensitivity(12dB SINAD)	< 0.2 μV
Working Temperature	-30°C to + 60°C	Audio Power Output	> 500mW
Antenna Impedance	50Ω	Spurious Radiation	< -60dB
Audio Distortion	< 5%	Weight(including batterypack)	214g
		Size(without antenna)	100.6x56.5x33(mm)



KG-819

Main Features:

- DTMF Encoding Function
- All Calls, Group Calls and Selective Calls
- 1750Hz Burst Tone
- SOS Function
- Inspection, Monitor, Stun, Kill and Emergency Alarm
- 105 Groups DCS / 50 Groups CTCSS
- Distant Alarm
- Voice Prompt

SOS Function

Begin/End Transmitting Beep Prompt

- Wide/Narrow Bandwidth Selection (25KHz/12.5KHz)
- Multi Scan Mode (TO/CO/SE)
- Busy Channel Lockout
- Wire-clone Function
- Program by Computer
- Bright Flashlight Illumination Function

Main Technical Specification	
Frequency Range(MHz)	VHF: 66-88MHz 136-174MHz 245-246MHz UHF: 400-470MHz 400-480MHz 450-520MHz 470-490MHz
Channel Spacing	Wide:25KHz / Narrow:12.5KHz
Output Power	VHF:5W/1W UHF:4W/1W
Memory Channels	16
Voltage(DC)	7.4V
Working Temperature	-30°C to + 60°C
Antenna Impedance	50Ω
Audio Distortion	< 5%
Modulation Type	FM(F3E)
Max.Frequency Deviation	< ± 5KHz
Adjacent Channel Selectivity	> 65dB
Frequency Stability	± 2.5ppm
Sensitivity(12dB SINAD)	< 0.2 μV
Audio Power Output	> 500mW
Spurious Radiation	< -60dB
Weight(including batterypack)	206g
Size(without antenna)	100.6x56.5x32.7(mm)





KG-833

Distant Alarm 8 Groups Scrambler

Main Technical Specification	
Frequency Range(MHz)	VHF: 66-88MHz 136-174MHz 245-246MHz UHF: 400-470MHz 450-520MHz
Channel Spacing	Wide:25KHz / Narrow:12.5KHz
Output Power	VHF:5W/1W UHF:4W/1W
Memory Channels	16(200 only for advanced)
Voltage(DC)	7.4V
Working Temperature	-30°C to + 60°C
Antenna Impedance	50Ω
Audio Distortion	< 5%
Modulation Type	FM(F3E)
Max.Frequency Deviation	< ± 5KHz
Adjacent Channel Selectivity	> 65dB
Frequency Stability	± 2.5ppm
Sensitivity(12dB SINAD)	< 0.2 μV
Audio Power Output	> 500mW
Spurious Radiation	< -60dB
Weight(including batterypack)	242g
Size(without antenna)	103x52x39(mm)



Distant Alarm

Main Technical Specification	
Frequency Range(MHz)	VHF: 66-88MHz 136-174MHz 245-246MHz UHF: 400-470MHz 450-520MHz
Channel Spacing	Wide:25KHz / Narrow:12.5KHz
Output Power	VHF:5W/1W UHF:4W/1W
Memory Channels	16(200 only for advanced)
Voltage(DC)	7.4V
Working Temperature	-30°C to + 60°C
Antenna Impedance	50Ω
Audio Distortion	< 5%
Modulation Type	FM(F3E)
Max.Frequency Deviation	< ± 5KHz
Adjacent Channel Selectivity	> 65dB
Frequency Stability	± 2.5ppm
Sensitivity(12dB SINAD)	< 0.2 μV
Audio Power Output	> 500mW
Spurious Radiation	< -60dB
Weight(including batterypack)	242g
Size(without antenna)	103x52x39(mm)

Main Features:

Three Configurations: Popular / Upgrade / Advanced

- DTMF Encoding and Decoding
- High/Low Power Selection (VHF: 5W/1W UHF: 4W/1W)
- 105 Groups DCS / 50 Groups CTCSS
- Wide/Narrow Bandwidth Selection (25KHz/12.5KHz)
- PTT ID
- TOT (Time-out Timer)
- VOX Transmission (Level Adjustable)
- Busy Channel Lockout
- Multi Step Frequency (5K/6.25K/10K/12.5K/25K)
- Multi Scan Mode (TO/CO/SE)
- Wire-clone Function
- FM Radio
- High Capacity Li-ion Battery
- Intelligent Charger
- Scrambler: Optional for Popular / 8 Groups for Upgrade / 1 Group for Advanced
- Inspection, Monitor, Stun, Kill and Emergency Alarm (only for Upgrade / Advanced)
- DCS/CTCSS of Rx and Tx can be Set Respectively (only for Upgrade / Advanced)
- 5 Tones and 2 Tones (only for Advanced)
- 1750Hz Burst Tone (only for Popular / Advanced)
- Priority Channel Scan (only for Popular)
- Monitor Priority Channel (only for Advanced)

KG-639E High/Low Power Changeable 105 Groups DCS / 50 Groups CTCSS

Main Features:

Three Configurations: Popular / Upgrade / Advanced

- DTMF Encoding and Decoding
- High/Low Power Selection (VHF: 5W/1W UHF: 4W/1W)
- Wide/Narrow Bandwidth Selection (25KHz/12.5KHz)
- PTT ID
- TOT (Time-out Timer)
- VOX Transmission (Level Adjustable)
- Busy Channel Lockout
- All Calls, Group Calls and Selective Calls
- Wire-clone Function
- FM Radio
- Multi Scan Mode (TO/CO/SE)
- Scrambler: Optional for Popular / 8 Groups for Upgrade / 1 Group for Advanced
- Inspection, Monitor, Stun, Kill and Emergency Alarm (only for Upgrade / Advanced)
- DCS/CTCSS of Rx and Tx can be Set Respectively (only for Upgrade / Advanced)
- 5 Tones and 2 Tones (only for Advanced)
- 1750Hz Burst Tone (only for Popular / Advanced)
- Priority Channel Scan (only for Popular)
- Monitor Priority Channel (only for Advanced)





KG-699E

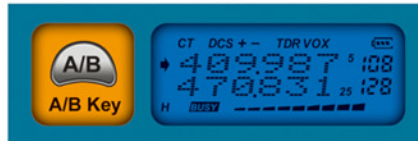
Main Features:

Three Configurations: Popular / Upgrade / Advanced

- DTMF Encoding and Decoding
- High/Low Power Selection (VHF: 5W/1W UHF: 4W/1W)
- 105 Groups DCS / 50 Groups CTCSS
- Wide/Narrow Bandwidth Selection (25KHz/12.5KHz)
- ANI (Caller ID)
- PTT ID
- TOT (Time-out Timer)
- VOX Transmission (Level Adjustable)
- Distant Alarm
- All Calls, Group Calls and Selective Calls
- Multi Step Frequency (5K/6.25K/10K/12.5K/25K)
- Multi Scan Mode (TO/CO/SE)
- Wire-clone Function
- FM Radio
- Scrambler: Optional for Popular / 8 Groups for Upgrade / 1 Group for Advanced
- Inspection, Monitor, Stun, Kill and Emergency Alarm (only for Upgrade / Advanced)
- DCS/CTCSS of Rx and Tx can be Set Respectively (only for Upgrade / Advanced)
- 5 Tones and 2 Tones (only for Advanced)
- 1750Hz Burst Tone (only for Popular / Advanced)
- Priority Channel Scan (only for Popular)
- Monitor Priority Channel (only for Advanced)

Main Technical Specification

Frequency Range(MHz)	VHF: 66-88MHz 136-174MHz 245-246MHz UHF: 400-470MHz 450-520MHz
Channel Spacing	Wide:25KHz / Narrow:12.5KHz
Output Power	VHF:5W/1W UHF:4W/1W
Memory Channels	128(200 only for advanced)
Voltage(DC)	7.4V
Working Temperature	-30°C to + 60°C
Antenna Impedance	50Ω
Audio Distortion	< 5%
Modulation Type	FM(F3E)
Max.Frequency Deviation	< ± 5KHz
Adjacent Channel Selectivity	> 65dB
Frequency Stability	± 2.5ppm
Sensitivity(12dB SINAD)	< 0.2 μV
Audio Power Output	> 500mW
Spurious Radiation	< -60dB
Weight(including batterypack)	260g
Size(without antenna)	103x62x39(mm)



5 Tones and 2 Tones
Dual Frequency Dual Display and Dual Standby

Main Technical Specification

Frequency Range(MHz)	VHF: 66-88MHz 136-174MHz 245-246MHz UHF: 400-470MHz 450-520MHz	Modulation Type	FM(F3E)
Channel Spacing	Wide:25KHz / Narrow:12.5KHz	Max.Frequency Deviation	< ± 5KHz
Output Power	VHF:5W/1W UHF:4W/1W	Adjacent Channel Selectivity	> 65dB
Memory Channels	128(200 only for advanced)	Frequency Stability	± 2.5ppm
Voltage(DC)	7.4V	Sensitivity(12dB SINAD)	< 0.2 μV
Working Temperature	-30°C to + 60°C	Audio Power Output	> 500mW
Antenna Impedance	50Ω	Spurious Radiation	< -60dB
Audio Distortion	< 5%	Weight(including batterypack)	258g
		Size(without antenna)	105x62x39(mm)

KG-703E

ANI (Caller ID)

Digital FM Radio with Frequency Display

Main Features:

Three Configurations: Popular / Upgrade / Advanced

- DTMF Encoding and Decoding
- High/Low Power Selection (VHF: 5W/1W UHF: 4W/1W)
- 105 Groups DCS / 50 Groups CTCSS
- Wide/Narrow Bandwidth Selection (25KHz/12.5KHz)
- PTT ID
- TOT (Time-out Timer)
- VOX Transmission (Level Adjustable)
- Busy Channel Lockout
- Reverse Frequency Function
- Distant Alarm
- All Calls, Group Calls and Selective Calls
- Wire-clone Function
- High Capacity Li-ion Battery
- Intelligent Charger
- Multi Step Frequency (5K/6.25K/10K/12.5K/25K)
- Multi Scan Mode (TO/CO/SE)
- Scrambler: Optional for Popular / 8 Groups for Upgrade / 1 Group for Advanced
- Inspection, Monitor, Stun, Kill and Emergency Alarm (only for Upgrade / Advanced)
- DCS/CTCSS of Rx and Tx can be Set Respectively (only for Upgrade / Advanced)
- 5 Tones and 2 Tones (only for Advanced)
- 1750Hz Burst Tone (only for Popular / Advanced)
- Priority Channel Scan (only for Popular)
- Monitor Priority Channel (only for Advanced)





KG-669E 5 Tones and 2 Tones 1750Hz Burst Tone

Main Features:

Three Configurations: Popular / Upgrade / Advanced

- DTMF Encoding and Decoding
- High/Low Power Selection (VHF: 5W/1W UHF: 4W/1W)
- 105 Groups DCS / 50 Groups CTCSS
- Wide/Narrow Bandwidth Selection (25KHz/12.5KHz)
- PTT ID
- TOT (Time-out Timer)
- VOX Transmission (Level Adjustable)
- Busy Channel Lockout
- Reverse Frequency Function
- Distant Alarm
- All Calls, Group Calls and Selective Calls
- Multi Step Frequency (5K/6.25K/10K/12.5K/25K)
- Multi Scan Mode (TO/CO/SE)
- Wire-clone Function
- FM Radio
- Scrambler: Optional for Popular / 8 Groups for Upgrade / 1 Group for Advanced
- Inspection, Monitor, Stun, Kill and Emergency Alarm (only for Upgrade / Advanced)
- DCS/CTCSS of Rx and Tx can be Set Respectively (only for Upgrade / Advanced)
- 5 Tones and 2 Tones (only for Advanced)
- 1750Hz Burst Tone (only for Popular / Advanced)
- Priority Channel Scan (only for Popular)
- Monitor Priority Channel (only for Advanced)

Main Technical Specification			
Frequency Range(MHz)	VHF: 66-88MHz 136-174MHz 245-248MHz UHF: 400-470MHz 450-520MHz	Modulation Type	FM(F3E)
Channel Spacing	Wide:25KHz / Narrow:12.5KHz	Max.Frequency Deviation	< ± 5KHz
Output Power	VHF:5W/1W UHF:4W/1W	Adjacent Channel Selectivity	> 65dB
Memory Channels	128(200 only for advanced)	Frequency Stability	± 2.5ppm
Voltage(DC)	7.4V	Sensitivity(12dB SINAD)	< 0.2 μV
Working Temperature	-30°C to +60°C	Audio Power Output	> 500mW
Antenna Impedance	50Ω	Spurious Radiation	< -60dB
Audio Distortion	< 5%	Weight(including batterypack)	265g
		Size(without antenna)	106x63x39(mm)



Main Technical Specification	
Frequency Range(MHz)	VHF: 66-88MHz 136-174MHz 245-248MHz UHF: 400-470MHz 450-520MHz
Channel Spacing	Wide:25KHz / Narrow:12.5KHz
Output Power	VHF:5W/1W UHF:4W/1W
Memory Channels	128(200 only for advanced)
Voltage(DC)	7.4V
Working Temperature	-30°C to +60°C
Antenna Impedance	50Ω
Audio Distortion	< 5%
Modulation Type	FM(F3E)
Max.Frequency Deviation	< ± 5KHz
Adjacent Channel Selectivity	> 65dB
Frequency Stability	± 2.5ppm
Sensitivity(12dB SINAD)	< 0.2 μV
Audio Power Output	> 500mW
Spurious Radiation	< -60dB
Weight(including batterypack)	242g
Size(without antenna)	103x52x39(mm)

KG-659E

Priority Channel Scan
All Calls, Group Calls and Selective Calls

Main Features:

Three Configurations: Popular / Upgrade / Advanced

- DTMF Encoding and Decoding
- 105 Groups DCS / 50 Groups CTCSS
- Wide/Narrow Bandwidth Selection (25KHz/12.5KHz)
- ANI (Caller ID)
- TOT (Time-out Timer)
- Busy Channel Lockout
- Multi Step Frequency (5K/6.25K/10K/12.5K/25K)
- Multi Scan Mode (TO/CO/SE)
- Wire-clone Function
- FM Radio
- Distant Alarm
- Scrambler: Optional for Popular / 8 Groups for Upgrade / 1 Group for Advanced
- Inspection, Monitor, Stun, Kill and Emergency Alarm (only for Upgrade / Advanced)
- DCS/CTCSS of Rx and Tx can be Set Respectively (only for Upgrade / Advanced)
- 5 Tones and 2 Tones (only for Advanced)
- 1750Hz Burst Tone (only for Popular / Advanced)
- Priority Channel Scan (only for Popular)
- Monitor Priority Channel (only for Advanced)





Main Features:

Three Configurations: Popular / Upgrade / Advanced

- Reverse Frequency Function
- DTMF Encoding and Decoding
- High/Low Power Selection (VHF: 5W/1W UHF: 4W/1W)
- 105 Groups DCS / 50 Groups CTCSS
- Wide/Narrow Bandwidth Selection (25KHz/12.5KHz)
- ANI (Caller ID)
- PTT ID
- TOT (Time-out Timer)
- TVOX Transmission (Level Adjustable)
- Distant Alarm
- All Calls, Group Calls and Selective Calls
- Multi Step Frequency (5K/6.25K/10K/12.5K/25K)
- Multi Scan Mode (TO/CO/SE)
- Wire-clone Function
- FM Radio
- Scrambler: Optional for Popular / 8 Groups for Upgrade / 1 Group for Advanced
- Inspection, Monitor, Stun, Kill and Emergency Alarm (only for Upgrade / Advanced)
- DCS/CTCSS of Rx and Tx can be Set Respectively (only for Upgrade / Advanced)
- 5 Tones and 2 Tones (only for Advanced)
- 1750Hz Burst Tone (only for Popular / Advanced)
- Priority Channel Scan (only for Popular)
- Monitor Priority Channel (only for Advanced)

KG-689E

DTMF Encoding and Decoding
Dual Frequency Dual Display and Dual Standby



Main Technical Specification

Frequency Range(MHz)	VHF: 66-88MHz 136-174MHz 245-246MHz UHF: 400-470MHz 450-520MHz
Channel Spacing	Wide:25KHz / Narrow:12.5KHz
Output Power	VHF:5W/1W UHF:4W/1W
Memory Channels	128(200 only for advanced)
Voltage(DC)	7.4V
Working Temperature	-30°C to + 60°C
Antenna Impedance	50Ω
Audio Distortion	< 5%
Modulation Type	FM(F3E)
Max.Frequency Deviation	< ± 5KHz
Adjacent Channel Selectivity	> 65dB
Frequency Stability	± 2.5ppm
Sensitivity(12dB SINAD)	< 0.2 μV
Audio Power Output	> 500mW
Spurious Radiation	< -60dB
Weight(including batterypack)	250g
Size(without antenna)	105x63x38(mm)

Main Technical Specification

Frequency Range(MHz)	VHF: 66-88MHz 136-174MHz 245-246MHz UHF: 400-470MHz 450-520MHz
Channel Spacing	Wide:25KHz / Narrow:12.5KHz
Output Power	VHF:5W/1W UHF:4W/1W
Memory Channels	128(200 only for advanced)
Voltage(DC)	7.4V
Working Temperature	-30°C to + 60°C
Antenna Impedance	50Ω
Audio Distortion	< 5%
Modulation Type	FM(F3E)
Max.Frequency Deviation	< ± 5KHz
Adjacent Channel Selectivity	> 65dB
Frequency Stability	± 2.5ppm
Sensitivity(12dB SINAD)	< 0.2 μV
Audio Power Output	> 500mW
Spurious Radiation	< -60dB
Weight(including batterypack)	258g
Size(without antenna)	105x62x39(mm)

KG-679E

5 Tones and 2 Tones Inspection, Monitor, Stun, Kill and Emergency Alarm

Main Features:

Three Configurations: Popular / Upgrade / Advanced

- DTMF Encoding and Decoding
- High/Low Power Selection (VHF: 5W/1W UHF: 4W/1W)
- 105 Groups DCS / 50 Groups CTCSS
- Wide/Narrow Bandwidth Selection (25KHz/12.5KHz)
- ANI (Caller ID)
- PTT ID
- TOT (Time-out Timer)
- VOX Transmission (Level Adjustable)
- Busy Channel Lockout
- All Calls, Group Calls and Selective Calls
- Multi Step Frequency (5K/6.25K/10K/12.5K/25K)
- Multi Scan Mode (TO/CO/SE)
- Wire-clone Function
- FM Radio
- Scrambler: Optional for Popular / 8 Groups for Upgrade / 1 Group for Advanced
- Inspection, Monitor, Stun, Kill and Emergency Alarm (only for Upgrade / Advanced)
- DCS/CTCSS of Rx and Tx can be Set Respectively (only for Upgrade / Advanced)
- 5 Tones and 2 Tones (only for Advanced)
- 1750Hz Burst Tone (only for Popular / Advanced)
- Priority Channel Scan (only for Popular)
- Monitor Priority Channel (only for Advanced)





KG-619

Main Features:

- High/Low Power Changeable when Transmitting
- Announcement of Channel Number

Main Technical Specification			
Frequency Range(MHz)	VHF: 66-88MHz 136-174MHz 245-246MHz UHF: 400-470MHz 450-520MHz	Modulation Type Max.Frequency Deviation	FM(F3E) < ± 5KHz
Channel Spacing	Wide:25KHz / Narrow:12.5KHz	Adjacent Channel Selectivity	> 65dB
Output Power	VHF:5W/1W UHF:4W/1W	Frequency Stability	± 2.5ppm
Memory Channels	16	Sensitivity(12dB SINAD)	< 0.2 μV
Voltage(DC)	7.4V	Audio Power Output	> 500mW
Working Temperature	-30°C to + 60°C	Spurious Radiation	< -60dB
Antenna Impedance	50Ω	Weight(including batterypack)	328g
Audio Distortion	< 5%	Size(without antenna)	126x59x41(mm)

Built-in CDCSS/DCS

Announcement of Channel Number

- VOX Transmission (Level Adjustable)
- Squelch (Level Adjustable)
- Built-in CTCSS/DCS
- Multi Scan Function
- TOT (Time-out Timer)
- Battery Capacity Prompt
- Wire-clone Function
- 16 Memory Channels
- 4 Groups Scrambler (Optional)

KG-3000 Built-in CTCSS/DCS High/Low Power Selection

Main Features:

- 16 Memory Channels
- Announcement of Channel Number
- VOX Transmission
- Priority Channel Scan
- Software Program
- Wire-clone Function
- Multi Scan Function
- TOT (Time-out Timer)
- Battery Capacity Prompt
- High Capacity Li-ion Battery

Main Technical Specification			
Frequency Range(MHz)	VHF: 66-88MHz 136-174MHz 245-246MHz UHF: 400-470MHz 450-520MHz	Modulation Type Max.Frequency Deviation	FM(F3E) < ± 5KHz
Channel Spacing	Wide:25KHz / Narrow:12.5KHz	Adjacent Channel Selectivity	> 65dB
Output Power	VHF:5W/1W UHF:4W/1W	Frequency Stability	± 2.5ppm
Memory Channels	16	Sensitivity(12dB SINAD)	< 0.2 μV
Voltage(DC)	7.4V	Audio Power Output	> 500mW
Working Temperature	-30°C to + 60°C	Spurious Radiation	< -60dB
Antenna Impedance	50Ω	Weight(including batterypack)	218g
Audio Distortion	< 5%	Size(without antenna)	101x57x35(mm)





KG-819(S)



KG-833(S)



KG-659E(S)

PMR446 Standard Adjustable Power 0.5W-4W

- Output Power: 0.5W (4W Changeable via Software)
- Modulation: 11K0F3E
- Channel Spacing: 12.5KHz
- Fixed Antenna
- 105 Groups DCS / 50 Groups CTCSS
- VOX Transmission (Level Adjustable)
- Scan Function
- TOT (Time-out Timer)
- Battery Capacity Prompt
- High Capacity Li-ion Battery
- Software Programmable
- Keypad Lock

Note: Please indicate the "S" behind the model number when you order the PMR446 walkie talkies.



KG-703E(S)



KG-639E(S)

PMR446 Standard: 8 channels(Frequency as below)				
Channel No.	1	2	3	4
Frequency(MHz)	446.00625	446.01875	446.03125	446.04375
Channel No.	5	6	7	8
Frequency(MHz)	446.05625	446.06875	446.08125	446.09375

- Output Power: 0.5W (4W Changeable via Software)
- Modulation: 11K0F3E
- Channel Spacing: 12.5KHz
- Fixed Antenna
- 105 Groups DCS / 50 Groups CTCSS
- VOX Transmission (Level Adjustable)
- Scan Function
- TOT (Time-out Timer)
- Battery Capacity Prompt
- High Capacity Li-ion Battery
- Software Programmable
- Keypad Lock

Note: Please indicate the "S" behind the model number when you order the PMR446 walkie talkies.

Standard Accessories

KG-UV920R Standard Accessories



Mobile hand microphone
MMO-001



Stand adapter
SAO-001



Stand adapter
SAO-002



Mobile mounting bracket
MBO-001



Screw set
SSO-001

KG-UVD1P KG-UVA1 Standard Accessories



1300mAh Li-ion battery pack
BLO-001



Charger
CHO-001



Belt clip
BEO-001



High gain antenna
ANO-001



Hand strap
RO-001

KG-816 KG-819 KG-869 Standard Accessories



1300mAh Li-ion battery pack
BLO-005



Desktop charger
CHO-005



Power cord
PWO-001



Belt clip
BEO-005



High gain antenna
ANO-005



Hand strap
RO-001

KG-833 KG-639E KG-659E KG-669E KG-679E KG-689E KG-699E KG-703E Standard Accessories



1300mAh Li-ion battery pack
BLO-001



Charger
CHO-001



Belt clip
BEO-004



High gain antenna
ANO-003



Hand strap
RO-001

KG-619 Standard Accessories



1500mAh Ni-MH battery pack
BPO-003



Charger
CHO-003



Belt clip
BEO-003



High gain antenna
ANO-004



Hand strap
RO-001

KG-3000 Standard Accessories



1100mAh Li-ion battery pack
BLO-002



Charger
CHO-002



Belt clip
BEO-002



High gain antenna
ANO-002



Hand strap
RO-001

Optional Accessories



Six-way charger
CHO-006



Dual slot charger
CHO-004



Switching adapter
(varied socket plugs for different countries)



1700mAh Li-ion battery pack
BLO-004



"AA" Battery pack
BAO-001



Eliminator
ELO-001



Car charger
CCO-001



Programming software
PSO-001



USB programming cable
PCO-001



Programming cable
PCO-002



Wireclone cable
WIO-001



Headset
HEO-001



Air conduit earphone
HEO-002



Headset
HEO-003



Stubby antenna
(UHF)
ANO-006



Thin antenna
(VHF or UHF)
ANO-007



Mobile antenna
ANO-008



Antenna adapter
(SL16)
AAO-001



Antenna adapter
(BNC)
AAO-002



Leather case
(varied designs for different models)



Speaker/Mic
SMO-001



Mobile hand microphone
MMO-002