



1st Type Approval Certificate of P.R.C. for Dual Band Two Way Radio  
CMIIT ID: 2009FP5789

# U KG-UVD1P

**ML&S** martin lynch & sons  
Suppliers of Communications Equipment

## P Version: Upgrade Function

**DUAL BAND DUAL FREQUENCY  
DUAL DISPLAY AND DUAL STANDBY**

<b>A/B</b> A/B Switch Key on Master Frequency	<b>TDR</b> Single/Dual Band Switch Key	<b>MENU + TDR</b> Channel/Frequency Mode Combination Key
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• **Frequency Range Can Be Suitable for Different Countries or Areas**

- 136-174 & 350-470MHz(RX/TX)
- 136-174 & 400-480MHz(RX/TX)
- 136-174 & 420-520MHz(RX/TX)
- 136-174 & 400-470MHz(RX/TX)
- 136-174 & 245-250MHz(RX/TX)
- 136-174 & 216-280MHz(RX/TX)
- 136-174 & 225-226MHz(RX/TX)
- 144-146 & 430-440MHz(RX/TX)
- 66-88 & 400-480MHz(RX/TX)
- Work Mode:U-V ,V-U,V-V ,U-U Can Be Set Freely
- DTMF Encoding Function
- 1750Hz Burst Tone
- CTCSS/DCS Scan(Digital/Analog)
- FM Radio(76-108MHz)
- SOS Function
- Bright Flashlight Illumination



## Description of Functions

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FM: 76-108MHz(RX)
- Work Mode:U-V ,V-U,V-V ,U-U Can Be Set Freely
- SOS Function
- DTMF Encoding Function
- 1750Hz Burst Tone
- CTCSS/DCS Scan(Digital/Analog)
- Bright Flashlight Illumination
- Band Can Be Set Freely on The Same Channel  
VHF TX-UHF RX or UHF TX-VHF RX
- English Voice Guide
- Digital FM Radio
- Wide/Narrow Bandwidth Selection  
(25KHz/12.5KHz)
- Priority Scan, Add Scanning Channel
- High/Low Power Selection
- Channel Name Edit and Display
- 50 Groups CTCSS/105 Groups DCS
- Multi Step Frequency:  
(5K/6.25K/10K/12.5K/25K/50K/100K)
- Multi Scan
- VOX Transmission
- Transmit Overtime Voice Prompt
- Begin/End Transmitting Beep Prompt
- Auto/Manual Keypad Lock
- Wire Clone, Programmable By Computer
- Stopwatch Function
- Low Voltage Voice Prompt
- Busy Channel Lockout

## Technical Specification

General		Receiver		Transmitter	
Frequency Range	Frequency Range Can Be Suitable for Different Countries or Areas	Sensitivity(12dB SINAD)	0.16 $\mu$ V	Frequency Stability	$\pm$ 2.5PPM
		Squelch Rejection Sensitivity	< 0.8 $\mu$ V	RF Carrier Power	UHF:4W VHF:5W
		Squelch Sensitivity	< 0.2 $\mu$ V	Effective Radiated Power	Power Changes not Exceed Preset Value $\pm$ 7.5dB
Number of Channels	128 Channels	Audio Output Power	500mW	Max Frequency Deviation	Channel Space 25KHz $\pm$ 5KHz/12.5KHz $\pm$ 2.5KHz
Operating Voltage	7.4V	Audio Distortion	< 5%	Audio Modulation	+3dB(Pre-emphasis by 6dB between 0.3-3KHz)
Operating Temperature	-30 $^{\circ}$ C~60 $^{\circ}$ C	Audio Response	(300-3000Hz)+1~-3dB	Adjacent Channel Power	Channel Space 25KHz > 70dB / 12.5KHz > 60dB
Operating Way	Simplex of Co-channel or Dis-channel	Co-channel Reject	> -8.0dB	Spurious Radiation	< -30dBm
Antenna Impedance	50 $\Omega$	Performance of Amplitude Limiter	< 3	Intermodulation Attenuation	> 40dB
Frequency Stability	$\pm$ 2.5PPM	Adjacent Channel Selection	Channel Space 25KHz > 70dB / 12.5KHz > 60dB	Modulation Distortion	< 10%
Weight	250g	Intermodulation	> 65dB	Residual FM	< -35dB
Dimension	58x105x38(mm)	Blocking	> 84dB	Residual AM	< 3%
		Spurious Radiation	9KHz-1GHz < -57dBm 1GHzAbove-4GHz < -47dBm		

Specifications are subject to change without notice.

## Standard Accessories



Li-ion Battery pack



Intelligent Charger



Beltclip



Antenna



Handstrap



User's Manual

## Optional Accessories



Dual-slot Charger



Six-way Charger



"AA" Battery pack



Leather Case



Eliminator



Car Charger



MIC



Headset