

**wouxun®**



**U.V  
DUAL BAND**

**DUALBAND DUALFREQUENCY  
DUALDISPLAY AND DUALSTANDBY**

**KG-UVD1P**

U.V Dual Band Multifunctional Two-way Radio

1750Hz Tone  
SOS Function  
DTMF Encoding

**wouxun®**

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**ML&S martin lynch & sons**



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## **2010 Product Catalog PROFESSIONAL FM TRANSCEIVER**

**FCC CE 0678① RoHS ISO9001:2008/ISO14001:2004**

### **NEW TWO-WAY RADIO**

|                    |
|--------------------|
| KG-UVD1P.....01-02 |
| KG-816.....03      |
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### **HAND-HELD TWO-WAY RADIO**

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# 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, KG-659E 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-639E, KG-659E, KG-669E, KG-679E, KG-689E, KG-699E, KG-703E, KG-816, KG-819, KG-801E, KG-833, KG-UVD1, KG-619 and

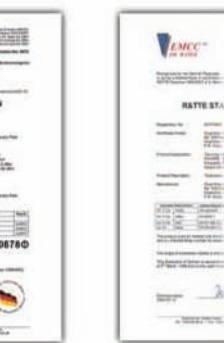
- KG-3000 were successfully authenticated by RHOS.



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# Authentication

Approved by **FCC** **CE** **0678** **RoHS** **ISO9001:2008/ISO14001:2004**



R&TTE STATEMENT OF OPINION  
(KG-699E/639E/669E/679E/  
689E/703E/801E/833)



EC-R&TTE CERTIFICATE  
(KG-689E/699E/679E/669E/659E/639E)



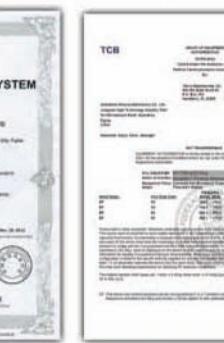
R&TTE STATEMENT OF OPINION  
(PMR446 TRANSCEIVER)



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



DECLARATION OF CONFORMITY  
(KGUV1P/UV1P/669E/679E/  
601E/833/819/819/3000)



ISO9001:2008



FCC CERTIFICATE  
(KG-UV1P/UV1)



TYPE APPROVAL CERTIFICATE (KG-UV1P)



ISO14001:2004



TYPE APPROVAL CERTIFICATE (KG-669E)



TYPE APPROVAL CERTIFICATE (KG-659E)



TYPE APPROVAL CERTIFICATE (KG-3000)

**More varieties**

**More options for you...**



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**FCC ID:WVTWOUXUNO4**

**CT DCS + - RTDR VOXS N**  
**145.825 108**  
**439.700 128**  
**HL BUSY** **----** **m0**

**DUALBAND DUALFREQUENCY  
DUALDISPLAY AND DUALSTANDBY**

**CT DCS + - RTDR VOXS N**  
**145.825 108**  
**439.700 128**  
**HL BUSY** **----** **m0**

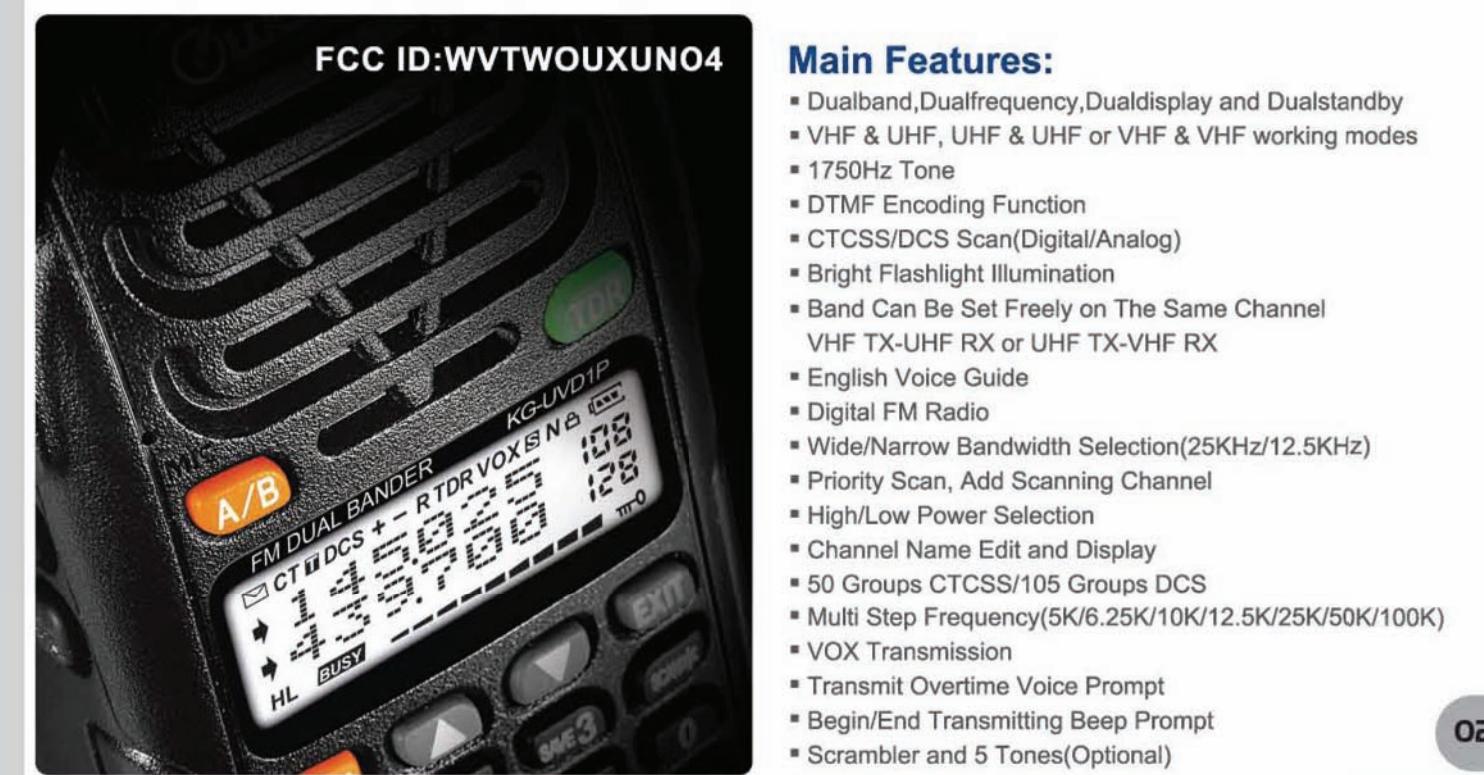
**Frequency Range Can Be Suitable  
for Different Countries or Areas**

|                             |                             |
|-----------------------------|-----------------------------|
| 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) |
| FM: 76-108MHz(RX)           |                             |

**U.V  
DUAL BAND**

1750Hz Tone  
SOS Function  
DTMF Encoding

**01**



**KG-UVD1P** **1750Hz Tone  
DTMF Encoding Function**

**Main Technical Specification**

|                         |   |                                  |  |
|-------------------------|---|----------------------------------|--|
| Frequency Range(MHz)    | Frequency Range Can Be Suitable<br>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°C to + 60°C   | Audio Modulation                 | +3dB(pre-emphasis by 6dB between 0.3-3KHz) |
| Antenna Impedance       | 50Ω   | Spurious Radiation               | <-30dBm                                    |
| 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               | 9KHz-1GHz<-57dBm/1GHz-4GHz<-47dBm          |

**A/B** UHF/VHF Master Frequency Switch

**TDR** Single/Dual Band Switch

03



## KG-816

Professional FM Transceiver

### Bright Flashlight Illumination Function

### CTCSS Scan and DCS Scan DTMF Encoding and Decoding

| Main Technical Specification |  |                                |                   |
|------------------------------|--|--------------------------------|-------------------|
| Frequency Range(MHz)         | VHF: 66-88MHz 136-174MHz 245-246MHz<br>UHF: 400-470MHz 400-480MHz 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              | 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 battterypack) | 214g              |
|                              |  | Size(without antenna)          | 100.6x56.5x33(mm) |

### Main Features:

- Begin/End transmitting beep prompt
- ANI (caller ID)
- 105 groups DCS/50 groups CTCSS
- Voice prompt
- Three color LCD backlight display
- Distant alarm
- Call ringing
- VOX (level adjustable)
- Digital FM radio with frequency display
- Wide/Narrow bandwidth selection
- Reverse frequency function
- Multi scan mode (TO/CO/SE)
- All calls, group calls and selective calls
- Step (5K/6.25K/10K/12.5K/25K/50K/100K)
- Multi working mode(frequency/ channel mode/ channel name)
- Working mode shift shortcut operation
- Channel name edit and display
- Battery capacity prompt
- TOT(time-out timer)
- Busy channel lockout
- Keypad lock (auto/manual)
- Wireclone function
- SOS function
- 1750Hz tone
- Programmable by computer



### Main Features:

- DTMF encoding and decoding
- All calls, group calls and selective calls
- 105 groups DCS/50 groups CTCSS
- Distant alarm
- Voice prompt
- Wide/Narrow bandwidth selection
- Multi scan mode (TO/CO/SE)
- Call ringing
- VOX (level adjustable)
- Battery capacity prompt
- TOT(time-out timer)
- Busy channel lockout
- Wireclone function
- Program by computer
- Bright flashlight illumination function



## KG-819

Business Two-way Radio

### SOS Function Begin/End Transmitting Beep Prompt

| Main Technical Specification |  |                                |                     |
|------------------------------|--|--------------------------------|---------------------|
| Frequency Range(MHz)         | VHF: 66-88MHz 136-174MHz 245-246MHz<br>UHF: 400-470MHz 400-480MHz 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              | 16   | 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 battterypack) | 206g                |
|                              |  | Size(without antenna)          | 100.6x56.5x32.7(mm) |

04



05



**KG-833**  
Business Two-way Radio

### Main Features:

#### Three configurations: Popular / Upgrade / Advanced

- DTMF encoding and decoding
- High/Low power 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 (level adjustable)
- Busy channel lockout
- Reverse frequency function
- Step (5K/6.25K/10K/12.5K/25K)
- Multi scan mode (TO/CO/SE)
- Wireclone function
- FM radio
- High capacity Li-ion battery pack
- 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 Advanced)
- Priority scan (only for Advanced)



## Distant Alarm

### High/Low Power Changeable 105 Groups DCS/50 Groups CTCSS

| Main Technical Specification |   |                               |                        |
|------------------------------|---|-------------------------------|------------------------|
| Frequency Range(MHz)         | VHF: 66-88MHz 136-174MHz 245-246MHz<br>UHF: 400-470MHz 450-520MHz | Modulation Type               | FM(F3E)                |
| Channel Spacing              | Wide:25KHz / Narrow:12.5KHz                                       | Max.Frequency Deviation       | $\leq \pm 5\text{KHz}$ |
| Output Power                 | VHF:5W/1W UHF:4W/1W   | Adjacent Channel Selectivity  | $\geq 65\text{dB}$     |
| Memory Channels              | 16(200 only for advanced)   | Frequency Stability           | $\pm 2.5\text{ppm}$    |
| Voltage(DC)                  | 7.4V  | Sensitivity(12dB SINAD)       | $\leq 0.2 \mu\text{V}$ |
| Working Temperature          | -30°C to + 60°C   | Audio Power Output            | $\geq 500\text{mW}$    |
| Antenna Impedance            | 50Ω   | Spurious Radiation            | < -60dB                |
| Audio Distortion             | <5%   | Weight(including batterypack) | 242g                   |
|                              |   | Size(without antenna)         | 103x62x39(mm)          |

| Main Technical Specification |   |                               |                        |
|------------------------------|---|-------------------------------|------------------------|
| Frequency Range(MHz)         | VHF: 66-88MHz 136-174MHz 245-246MHz<br>UHF: 400-470MHz 450-520MHz | Modulation Type               | FM(F3E)                |
| Channel Spacing              | Wide:25KHz / Narrow:12.5KHz                                       | Max.Frequency Deviation       | $\leq \pm 5\text{KHz}$ |
| Output Power                 | VHF:5W/1W UHF:4W/1W   | Adjacent Channel Selectivity  | $\geq 65\text{dB}$     |
| Memory Channels              | 16(200 only for advanced)   | Frequency Stability           | $\pm 2.5\text{ppm}$    |
| Voltage(DC)                  | 7.4V  | Sensitivity(12dB SINAD)       | $\leq 0.2 \mu\text{V}$ |
| Working Temperature          | -30°C to + 60°C   | Audio Power Output            | $\geq 500\text{mW}$    |
| Antenna Impedance            | 50Ω   | Spurious Radiation            | < -60dB                |
| Audio Distortion             | <5%   | Weight(including batterypack) | 242g                   |
|                              |   | Size(without antenna)         | 103x62x39(mm)          |

### Main Features:

#### Three configurations: Popular / Upgrade / Advanced

- DTMF encoding and decoding
- High/Low power VHF 5W/1W UHF 4W/1W
- Wide/Narrow bandwidth selection (25KHz/12.5KHz)
- PTT ID
- TOT(time-out timer)
- VOX (level adjustable)
- Busy channel lockout
- Reverse frequency function
- All calls, group calls and selective calls
- Wireclone 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 Advanced)
- Priority scan (only for Advanced)

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06



07



## Main Features:

- Three configurations: Popular / Upgrade / Advanced
- DTMF encoding and decoding
  - High/Low power 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 (level adjustable)
  - Distant alarm
  - All calls, group calls and selective calls
  - Step (5K/6.25K/10K/12.5K/25K)
  - Multi scan mode (TO/CO/SE)
  - Wireclone function
  - FM radio
  - Scrambler: optional for Popular/8 groups for Upgrade/1 group for Advanced
  - 5 tones and 2 tones(only for Advanced)
  - 1750Hz burst tone(only for Advanced)



**KG-699E**  
Professional FM Transceiver

### Main Technical Specification

|                      |   |                                |               |
|----------------------|---|--------------------------------|---------------|
| Frequency Range(MHz) | VHF: 66-88MHz 136-174MHz 245-246MHz<br>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 battterypack) | 260g          |
|                      |   | Size(without antenna)          | 103x62x39(mm) |

**5 Tones and 2 Tones**  
**Dualfrequency Dualdisplay and Dualstandby**



## Main Features:

- Three configurations: Popular / Upgrade / Advanced
- DTMF encoding and decoding
  - High/Low power 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 (level adjustable)
  - Busy channel lockout
  - Reverse frequency function
  - Distant alarm
  - All calls, group calls and selective calls
  - Wireclone function
  - High capacity Li-ion battery pack
  - Intelligent charger
  - Step (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 Advanced)
  - Priority scan (only for Advanced)

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**KG-703E**  
Business Two-way Radio

### Main Technical Specification

|                      |   |                                |               |
|----------------------|---|--------------------------------|---------------|
| Frequency Range(MHz) | VHF: 66-88MHz 136-174MHz 245-246MHz<br>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 battterypack) | 258g          |
|                      |   | Size(without antenna)          | 105x62x39(mm) |



08

09

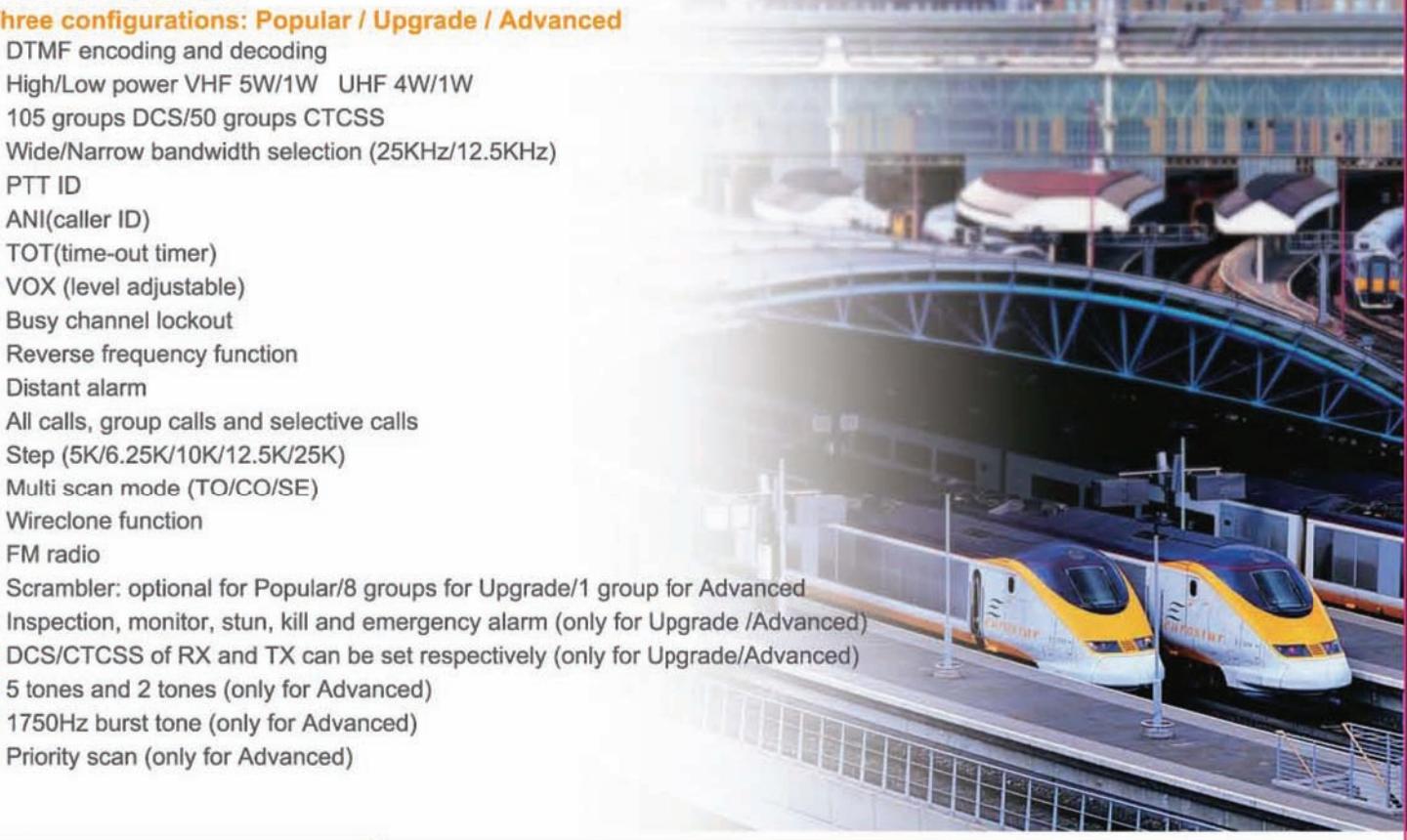


**KG-669E**  
Professional FM Transceiver

| Main Technical Specification |   |                               |               |
|------------------------------|---|-------------------------------|---------------|
| Frequency Range(MHz)         | VHF: 66-88MHz 136-174MHz 245-246MHz<br>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 Features:

- Three configurations: Popular / Upgrade / Advanced
- DTMF encoding and decoding
- High/Low power VHF 5W/1W UHF 4W/1W
- 105 groups DCS/50 groups CTCSS
- Wide/Narrow bandwidth selection (25KHz/12.5KHz)
- PTT ID
- ANI(caller ID)
- TOT(time-out timer)
- VOX (level adjustable)
- Busy channel lockout
- Reverse frequency function
- Distant alarm
- All calls, group calls and selective calls
- Step (5K/6.25K/10K/12.5K/25K)
- Multi scan mode (TO/CO/SE)
- Wireclone function
- FM radio
- Scrambler: optional for Popular/8 groups for Upgrade/1 group for 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 Advanced)
- Priority scan (only for Advanced)



**KG-659E**  
Business Two-way Radio

| Main Technical Specification |   |                               |               |
|------------------------------|---|-------------------------------|---------------|
| Frequency Range(MHz)         | VHF: 66-88MHz 136-174MHz 245-246MHz<br>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) | 242g          |
|                              |   | Size(without antenna)         | 103x62x39(mm) |

## 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
- Reverse frequency function
- Step (5K/6.25K/10K/12.5K/25K)
- Multi scan mode (TO/CO/SE)
- Wireclone function
- FM radio
- Distant alarm
- Scrambler: optional for Popular/8 groups for Upgrade/1 group for advanced
- DCS/CTCSS of RX and TX can be set respectively (only for Upgrade/Advanced)
- 5 tones and 2 tones (only for Advanced)

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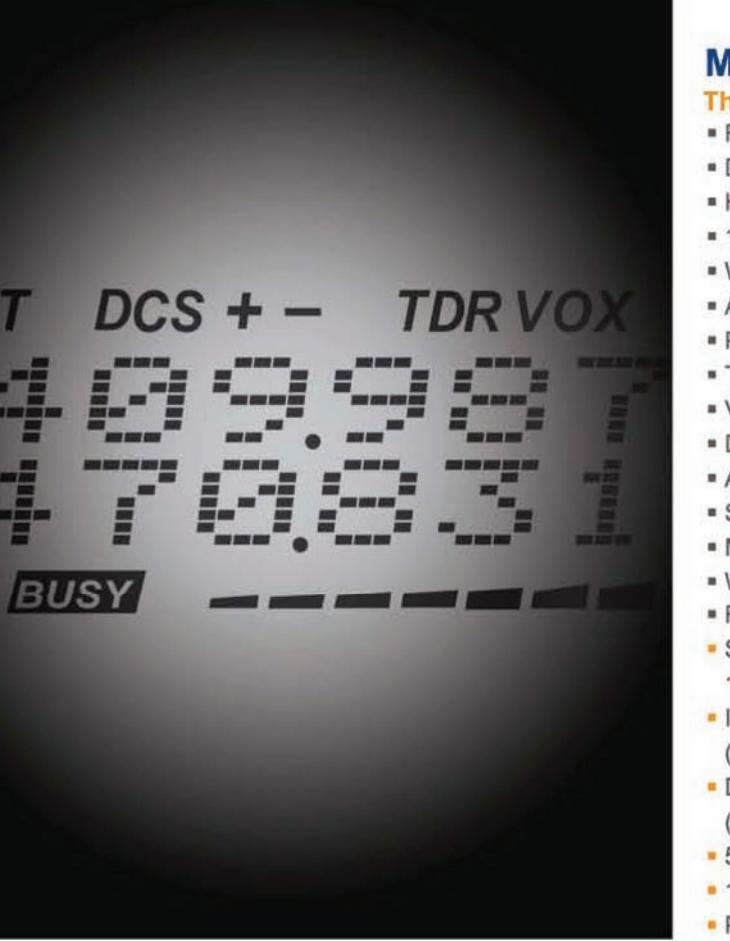
## Main Features:

- Three configurations: Popular / Upgrade / Advanced
- DTMF encoding and decoding
  - High/Low power 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 (level adjustable)
  - Busy channel lockout
  - All calls, group calls and selective calls
  - Step (5K/6.25K/10K/12.5K/25K)
  - Multi scan mode (TO/CO/SE)
  - Wireclone function
  - FM radio
  - 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)
  - 1750Hz burst tone(only for Advanced)
  - Priority scan(only for Advanced)
  - 5 tones and 2 tones (only for Advanced)

**KG-679E**  
Professional FM Transceiver

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

| Main Technical Specification |   |                                |               |
|------------------------------|---|--------------------------------|---------------|
| Frequency Range(MHz)         | VHF: 66-88MHz 136-174MHz 245-246MHz<br>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 battterypack) | 250g          |
|                              |   | Size(without antenna)          | 105x63x38(mm) |



## Main Features:

- Three configurations: Popular / Upgrade / Advanced
- Reverse frequency function
  - DTMF encoding and decoding
  - High/Low power 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 (level adjustable)
  - Distant alarm
  - All calls, group calls and selective calls
  - Step (5K/6.25K/10K/12.5K/25K)
  - Multi scan mode (TO/CO/SE)
  - Wireclone 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 Advanced)
  - Priority scan(only for Advanced)

**KG-689E**  
Professional FM Transceiver

**200 Channels  
Dualfrequency Dualdisplay and Dualstandby**

| Main Technical Specification |   |                                |               |
|------------------------------|---|--------------------------------|---------------|
| Frequency Range(MHz)         | VHF: 66-88MHz 136-174MHz 245-246MHz<br>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 battterypack) | 258g          |
|                              |   | Size(without antenna)          | 105x62x39(mm) |



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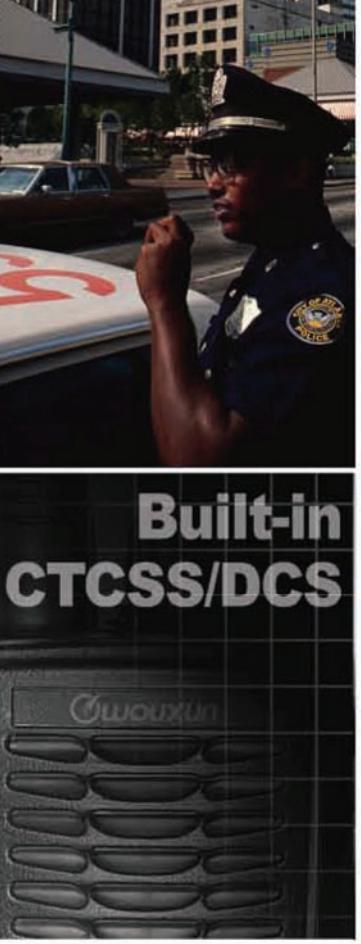
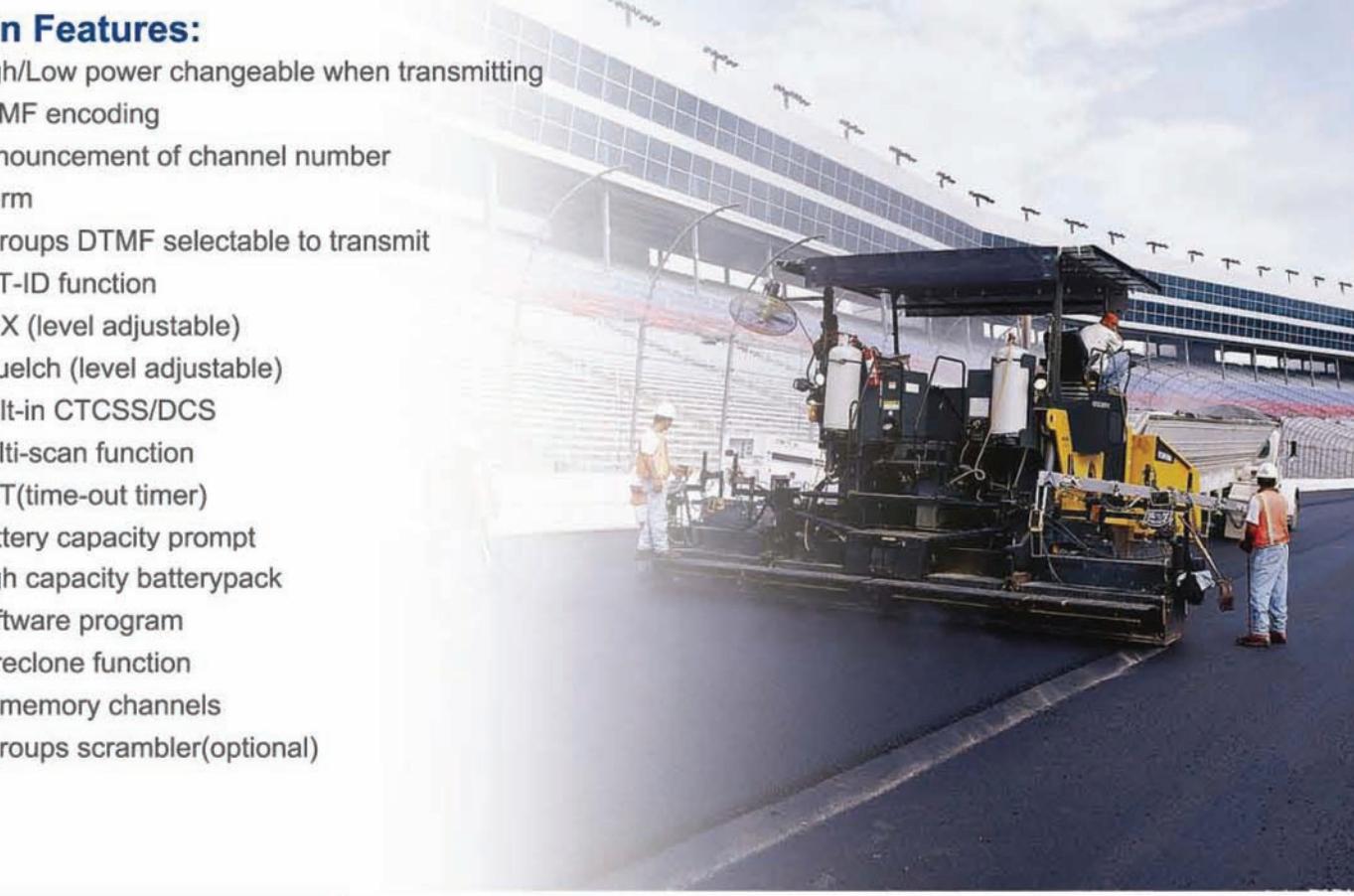
- Main Features:**
- High/Low power changeable when transmitting
  - DTMF encoding
  - Announcement of channel number
  - Alarm
  - 8 groups DTMF selectable to transmit
  - PTT-ID function
  - VOX (level adjustable)
  - Squelch (level adjustable)
  - Built-in CTCSS/DCS
  - Multi-scan function
  - TOT(time-out timer)
  - Battery capacity prompt
  - High capacity battypack
  - Software program
  - Wireclone function
  - 16 memory channels
  - 4 groups scrambler(optional)

**KG-619**  
Business Two-way Radio

## 4 Groups Scrambler Announcement of Channel Number

### Main Technical Specification

|                      |   |                              |               |
|----------------------|---|------------------------------|---------------|
| Frequency Range(MHz) | VHF: 66-88MHz 136-174MHz 245-246MHz<br>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      | 16  | 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 battypack)  | 328g          |
|                      |   | Size(without antenna)        | 126x59x41(mm) |



## Built-in CTCSS/DCS



## Built-in CTCSS/DCS High/Low Power Selection

### Main Technical Specification

|                      |   |                              |               |
|----------------------|---|------------------------------|---------------|
| Frequency Range(MHz) | VHF: 66-88MHz 136-174MHz 245-246MHz<br>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      | 16  | 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 battypack)  | 218g          |
|                      |   | Size(without antenna)        | 101x57x35(mm) |

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- Output power: 0.5W
- Can expand the power from 0.5W to 4W by software
- Modulation:11K0F3E
- Channel spacing:12.5KHz
- Fixed antenna
- 105 groups DCS/50 groups CTCSS
- VOX function
- Scan function
- TOT(time-out timer)
- Battery capacity prompt
- High capacity Li-ion battery pack
- Software programmable
- Keypad lock



## KG-819(PMR)/KG-833(PMR)/KG-659E(PMR)/KG-639E(PMR)/KG-703E(PMR)

**PMR446 Standard: 8 channels(Frequency as below)**

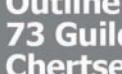
| Channel No.    | 1         | 2         | 3         | 4         | 5         | 6         | 7         | 8         |
|----------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| Frequency(MHz) | 446.00625 | 446.01875 | 446.03125 | 446.04375 | 446.05625 | 446.06875 | 446.08125 | 446.09375 |



**PMR446 Standard  
Adjustable Power 0.5W-4W**

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## Standard Accessories

Tel: 0845 2300 599 Web: [www.hamradio.co.uk](http://www.hamradio.co.uk) E-mail: [sales@hamradio.co.uk](mailto:sales@hamradio.co.uk)  
**MLS** martin lynch & sons  Outline House  
73 Guildford Street  
Chertsey, Surrey KT16 9AS

### KG-UVD1P Standard Accessories



### KG-816 KG-819 Standard Accessories



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



### KG-619 Standard Accessories



## KG-3000 Standard Accessories



## Optional Accessories

