

KENWOOD

PKT-23

UHF Ultra Small Compact Portable Radio

ProTalk^{LT}

PoCKET
size



EASY PROGRAMMING INSTRUCTIONS

Kenwood U.S.A. Communications Sector

■ PKT-23 Portable



2-year Warranty

1.5W - 99 UHF BRS Frequencies Preprogrammed

Ultra Small Compact Radio

- 1.5W / 0.5W Transmit Power
- 4 channels
- 99 Pre-Programmed UHF Frequencies
- QT (39) and DQT (168) Coded Squelch
- 2 Programmable Function Keys
- Channel Scan
- Super Lock (Manager Key Lock)
- Voice Guided Self-Programming Mode
- Bell Tone Alert
- VOX Ready
- Wireless Clone
- Built-in 1,430mAh Li-ion Battery
- 3-Hour Fast Charger (KSC-44)
- Spring Action Belt Clip (KBH-20)

■ Key Features

| Talk Range | |
|--|---------------------------------|
| Open area w/o obstructions | Up to 5.0miles (8 km) |
| Residential areas (near building) | Up to 1.5miles (2.4 km) |
| In steel and/or concrete reinforced building | Up to 225,000sq.ft (20,900sq.m) |
| In high-rise buildings | Up to 17 floors |
| Battery Life (5-5-90 duty cycle) | |
| Without Audio Accessory | Saver off: 11 hours |
| | Saver on: 15 hours |
| With Audio Accessory | Saver off: 12 hours |
| | Saver on: 17 hours |
| Charging Time | |
| With KSC-44 | 3.0 hours |
| With micro USB | 3.6 hours |

Note: Talk range will vary based on terrain and conditions

Powerful Operation

■ PKT-23 offers 1.5 watts of power, providing a coverage area up to 5 miles for direct radio-to-radio communication.

■ The built-in 1,430mAh Li-ion battery provides up to 15 hours of use w/o an accessory and 17 hours of use with an audio accessory.

■ KSC-44K charges the battery full in 3 hours, but the micro USB port also provides a conventional way of charging utilizing your smart phone charger.



Audio Accessory provides not only secure communications but also longer operation time.



Utilize the Micro USB cable to charge the radio at office, home or even while you are in a car driving

Basic Operation

Operations

BASIC



① Power Switch

Hold for 2 seconds to turn the radio power ON and OFF. Momentarily press while the radio is ON to see the Battery Level Guide.

② PTT Switch

Press and hold, then speak into the microphone to transmit.

③ UP/DOWN Keys

Press these keys to adjust the volume, change the channel, and select options from the list in the self-programming mode.

④ Programmable Function Key #1

Press this key to activate/deactivate channel scan. Hold for 2 seconds to activate Super Lock-P function. Other functions can be assigned from the function list. [refer to PF Key Assignment]

⑤ Programmable Function Key #2

Hold this key for 2 seconds to stop / start monitoring QT/DQT. Another function can be assigned from the function list. [refer to PF Key Assignment]

⑥ LED Indicator

Indicate various status/functions of the radio. [RED] Transmitting, [GREEN] Receiving a call, [Blinking BLUE] Standby, [Blinking RED] Low Battery

⑦ Voice Guide & Beep Tone

Notify various status/functions of the radio.

Basic Operation

Volume Change

BASIC



Operations (Volume Range 0 ~ 7)

1. Press Up key for volume Up.
2. Press Down key for volume Down.

Indications

1. Beeps according to volume level.
2. Max./Min. tone beeps at the limit.

Channel Change

BASIC



Operations

1. Press PF2 Key.
2. Up/Down to scroll the channels.
3. Wait for 2 sec. until beep tones sound. (the channel is set when the beep tones sound)

Indications

1. Channel Number is announced.
2. Yellow LED blinks a number of times for the current channel #.

Battery Status

BASIC



Operations

1. Press **PWR** key.

Indications

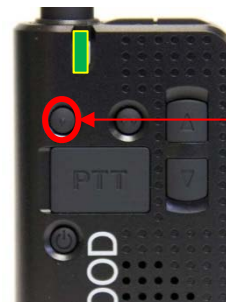
1. Light blue LED flashes the number of times for battery levels:

| LED Indicator | Battery Level |
|----------------|---------------|
| Blinks 3 Times | High |
| Blinks 2 Times | Medium |
| Blinks 1 Times | Low |

Basic Operation

Channel Scan

BASIC



Operation (ON)

1. Press **PF1** key to enable SCAN.

Indications

1. Single beep sounds.
2. Green LED blinks while SCAN is ON.

Operation (OFF)

1. Press **PF1** key to disable SCAN.

Indications

1. Double beeps sound.
2. Green LED stops blinking.

Super Lock-P

BASIC

The ONLY operations allowed in Super Lock-P mode are PTT, Squelch Off, Monitor, Volume Up/Down, and Power On/Off.



Operations (Activate)

1. Hold **PF1** Key for 4 sec. to activate Super Lock-P

Indications

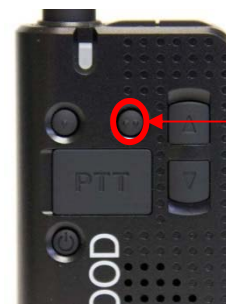
1. Single beep sounds.

Operations (Deactivate)

1. Turn the radio OFF, hold the **PF2** key and turn the radio ON. Once Yellow LED lights, release the **PF2** key.

Monitor

BASIC



Operations (ON)

1. Hold **PF2** key for 1 sec. to turn on Monitor.

Indications

1. Single beep sounds

Operations (OFF)

1. Hold **PF2** key for 1 sec. to turn off Monitor.

Indications

1. Double beeps sound

Self Programming Mode

Key Function Programming Mode

SELF PROGRAMMING

First, turn Off the radio, then operate keys to enter each mode.



Mode Entry

1. Hold **PWR** + **PF2** + **UP** to enter the mode.

Indications

1. Yellow LED lights.
2. Announces “**Setup**”

Operations

1. Use the [**Up**]/ [**Down**] keys to select the key assignment from the table.
2. Press [**PF1**] to confirm the function chosen to be assigned to [**PF1**] **Press**
OR
2. Hold [**PF1**] for 2 sec to confirm the function chosen to be assigned to [**PF1**] **Hold**.
OR
2. Hold [**PF2**] for 2 sec to confirm the function chosen to be assigned to [**PF2**] **Hold**.
3. Hold the [**PTT**] for 3 sec. Radio will store the current configuration and confirmation tone sounds and radio is reset and back to normal operation.
4. To exit without save, hold [**PWR**] key. Power off tone sounds and radio is off without key function changes.

| Table # | Functions | [PF1] Press | [PF1] Hold | [PF2] Hold |
|---------|----------------------|-------------|------------|------------|
| 0 | None | ○ | ○ | ○ |
| 1 | Low Transmit Power | ○ | ○ | ○ |
| 2 | Monitor | ○ | ○ | ○ |
| 3 | RX/TX Frequency Scan | ○ | ○ | ○ |
| 4 | Scan | ○ | ○ | ○ |
| 5 | Squelch Off | ○ | ○ | ○ |
| 6 | Super Lock-C | N/A | ○ | ○ |
| 7 | Super Lock-P | N/A | ○ | ○ |
| 8 | Tone Alert | ○ | ○ | ○ |

Self Programming Mode

Channel Table Programming Mode

SELF PROGRAMMING

First, turn Off the radio, then operate keys to enter each mode.



Mode Entry

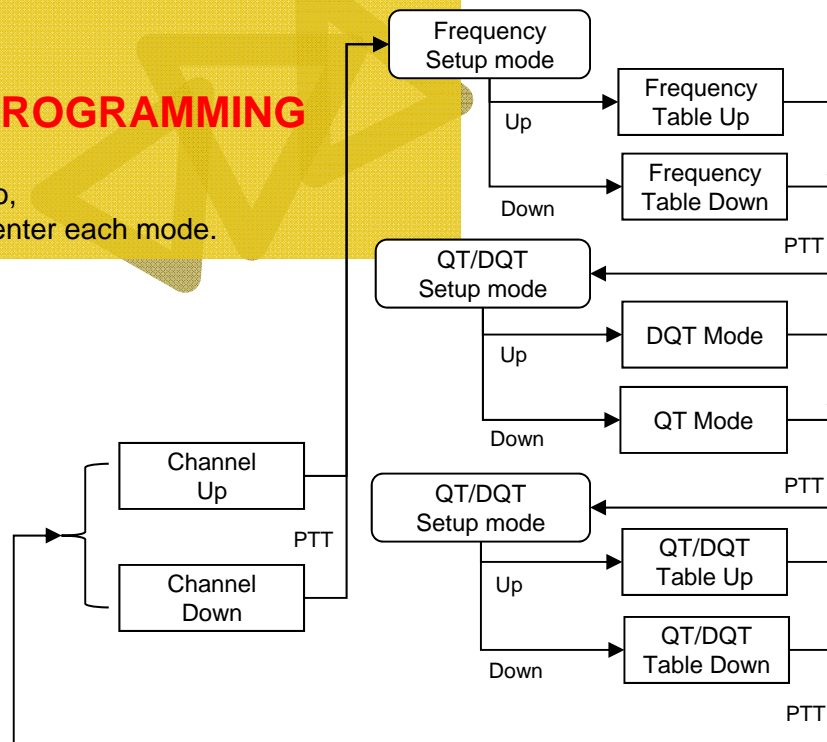
1. Hold **PWR** + **PTT** + **UP** to enter the mode.

Indications

1. Yellow LED lights.
2. Announces "**Self**" + "**Channel One**"

Operations

1. Use the [**Up**], [**Down**] keys to select the channel.
2. Confirm the channel by press [**PTT**]. Radio will go to frequency setup after channel confirmation mode.
3. Use the [**Up**], [**Down**] keys to select frequency from the frequency table and table number will be announced.
4. Press [**PTT**] to confirm the selected frequency, radio will go on to QT/DQT setup mode. "**QT**" will be announced in the QT/DQT setup mode.
5. Use the [**Up**], [**Down**] keys to select QT or DQT setup mode. "**QT**" or "**DQT**" will be announced when selected. Press [**PTT**] to confirm the setup mode.
6. In the QT/DQT setup mode, select QT/DQT from the QT/DQT table, and table number will be announced.
7. Press [**PTT**] to confirm the table number. Radio will go back to Channel select mode.
8. Repeat the step 1 to 7 to setup another channel's frequency & QT/DQT.
9. To save & exit, hold [**PF2**] + [**PTT**] for 3 sec., a confirmation tone sounds and radio is reset and back to normal operation mode.
10. To exit without save, press & hold [**PWR**]. Power off tone sounds and radio is off.



Self Programming Mode

VOX Setting Mode

SELF PROGRAMMING

First, turn Off the radio,
then operate keys to enter each mode.



Mode Entry

1. Hold **PWR + UP** to enter the mode.

Indications

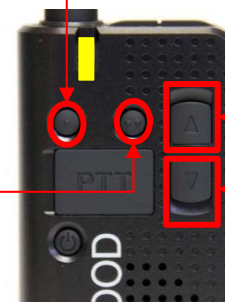
1. Yellow LED lights.
2. Announces "VOX"

Operations

1. Use **[PF1]** key to increase the vox gain level and voice will announce the level (Total 5 level).
2. Use the **[Up]** & **[Down]** to select the channel to configure the VOX per channel status
3. In the selected channel, press **[PF2]** to control VOX ON/OFF of the channel.
4. To exit and save, hold **[PTT]** for 3 sec., confirmation tone sounds and radio is reset and back to normal operation.
5. To exit without save, press & hold **[PWR]**. Power off tone sounds and radio is off.

[PF1]
Increase VOX level

[PF2]
VOX ON/OFF per Channel



Select Channel [Up]

Select Channel [Down]

Self Programming Mode

Wireless Clone Mode

SELF PROGRAMMING

First, turn Off the radio, then operate keys to enter each mode.



Mode Entry

1. Hold **PWR + PF2 + DOWN** to enter the mode.

Indications

1. Yellow LED lights.
2. Announces "CLONE"

Operations

1. Use the [**Up**], [**Down**] keys to select clone frequency from the Frequency Table. Table # will be announced. (BRS Table: 99)
2. Set all the cloning radios (Master & Slaves) at the same Frequency Table.
3. Press [**PTT**] of the Master Radio to start clone.
4. If clone is successful, the Slave radios will beep once and go back to normal operation mode.
5. If clone is unsuccessful, the Slave radios will beep 3 times as an error indicator and stay in clone mode.
6. The Master radio will beep once after cloning (transmission) is completed and stay in clone mode. To exit, hold [**PWR**]. Power off tone sounds and radio is off.

Master Radio

Slave Radio

*During cloning, the Master's red LED is on during transmission; the Slaves' green LED are on when start receiving the data.

Self Programming Mode

Channel Confirmation Mode

SELF PROGRAMMING

First, turn Off the radio, then operate keys to enter each mode.



Mode Entry

1. Hold **PWR** + **PTT** to enter the mode.

Indications

1. Yellow LED lights.
2. Announces "**Confirm**"

Operations

1. Use the [**Up**], [**Down**] keys to select the channel for the channel information.

Channel Information:

[Channel Table # + QT/DQT Table # + VOX*]
* If VOX is enabled

2. To exit, hold [**PWR**]. Power off tone sounds and radio is off.

ALL Reset Mode

SELF PROGRAMMING

First, turn Off the radio, then operate keys to enter each mode.



Mode Entry

1. Hold **PWR** + **PTT** + **UP** + **DOWN** to enter the mode.

Indications

1. Yellow LED lights.

Operations

1. Release all keys within 2 sec.
2. The radio will reset all default frequencies, VOX function, VOX gain level & Key Assignment settings.
3. Voice will announce "**Confirm**" after step 2 operation is completed.
4. Radio will reset and return to normal operation.

Self Programming Mode

Frequency Table

*Bandwidth is all 12.5 kHz

| Table No. | Frequency (MHz) | Table No. | Frequency (MHz) | Table No. | Frequency (MHz) | Table No. | Frequency (MHz) |
|-----------|-----------------|-----------|-----------------|-----------|-----------------|-----------|-----------------|
| 1 | 464.5000 | 26 | 462.8375 | 51 | 467.8875 | 76 | 452.7625 |
| 2 | 464.5500 | 27 | 462.8625 | 52 | 467.9125 | 77 | 452.8625 |
| 3 | 467.7625 | 28 | 462.8875 | 53 | 469.4875 | 78 | 456.1875 |
| 4 | 467.8125 | 29 | 462.9125 | 54 | 469.5125 | 79 | 456.2375 |
| 5 | 467.8500 | 30 | 464.4875 | 55 | 469.5375 | 80 | 456.2875 |
| 6 | 467.8750 | 31 | 464.5125 | 56 | 469.5625 | 81 | 468.2125 |
| 7 | 467.9000 | 32 | 464.5375 | 57 | 462.1875 | 82 | 468.2625 |
| 8 | 467.9250 | 33 | 464.5625 | 58 | 462.4625 | 83 | 468.3125 |
| 9 | 461.0375 | 34 | 466.0375 | 59 | 462.4875 | 84 | 468.3625 |
| 10 | 461.0625 | 35 | 466.0625 | 60 | 462.5125 | 85 | 468.4125 |
| 11 | 461.0875 | 36 | 466.0875 | 61 | 467.1875 | 86 | 468.4625 |
| 12 | 461.1125 | 37 | 466.1125 | 62 | 467.4625 | 87 | 468.5125 |
| 13 | 461.1375 | 38 | 466.1375 | 63 | 467.4875 | 88 | 468.5625 |
| 14 | 461.1625 | 39 | 466.1625 | 64 | 467.5125 | 89 | 468.6125 |
| 15 | 461.1875 | 40 | 466.1875 | 65 | 451.1875 | 90 | 468.6625 |
| 16 | 461.2125 | 41 | 466.2125 | 66 | 451.2375 | 91 | 456.3375 |
| 17 | 461.2375 | 42 | 466.2375 | 67 | 451.2875 | 92 | 456.4375 |
| 18 | 461.2625 | 43 | 466.2625 | 68 | 451.3375 | 93 | 456.5375 |
| 19 | 461.2875 | 44 | 466.2875 | 69 | 451.4375 | 94 | 456.6375 |
| 20 | 461.3125 | 45 | 466.3125 | 70 | 451.5375 | 95 | 457.3125 |
| 21 | 461.3375 | 46 | 466.3375 | 71 | 451.6375 | 96 | 457.4125 |
| 22 | 461.3625 | 47 | 466.3625 | 72 | 452.3125 | 97 | 457.5125 |
| 23 | 462.7625 | 48 | 467.7875 | 73 | 452.5375 | 98 | 457.7625 |
| 24 | 462.7875 | 49 | 467.8375 | 74 | 452.4125 | 99 | 457.8625 |
| 25 | 462.8125 | 50 | 467.8625 | 75 | 452.5125 | 00 | OFF |

Default Frequencies

| Channel # | Table No. | Frequency (MHz) |
|-----------|-----------|-----------------|
| 1 | 2 | 464.5500 |
| 2 | 8 | 467.9250 |
| 3 | 9 | 461.0375 |
| 4 | 10 | 461.0625 |

Self Programming Mode

Self Programming Timer is 20 seconds

QT Table

| No. | QT | No. | QT | No. | QT |
|-----|-------|-----|-------|-----|--------|
| 1 | 67 | 16 | 114.8 | 31 | 192.8 |
| 2 | 71.9 | 17 | 118.8 | 32 | 203.5 |
| 3 | 74.4 | 18 | 123 | 33 | 210.7 |
| 4 | 77 | 19 | 127.3 | 34 | 218.1 |
| 5 | 79.7 | 20 | 131.8 | 35 | 225.7 |
| 6 | 82.5z | 21 | 136.5 | 36 | 233.6 |
| 7 | 85.4 | 22 | 141.3 | 37 | 241.8 |
| 8 | 88.5 | 23 | 146.2 | 38 | 250.3 |
| 9 | 91.5 | 24 | 151.4 | 39 | 69.3 |
| 10 | 94.8 | 25 | 156.7 | 40 | Custom |
| 11 | 97.4 | 26 | 162.2 | 41 | Custom |
| 12 | 100 | 27 | 167.9 | 42 | Custom |
| 13 | 103.5 | 28 | 173.8 | 43 | Custom |
| 14 | 107.2 | 29 | 179.9 | 44 | Custom |
| 15 | 110.9 | 30 | 186.2 | 45 | Custom |

DQT Table

| No. | DQT | No. | DQT | No. | DQT | No. | DQT | No. | DQT | No. | DQT |
|-----|-------|-----|-------|-----|-------|-----|-------|-----|-------|-----|--------|
| 1 | D023N | 30 | D205N | 59 | D465N | 88 | D031I | 117 | D243I | 146 | D506I |
| 2 | D025N | 31 | D223N | 60 | D466N | 89 | D032I | 118 | D244I | 147 | D516I |
| 3 | D026N | 32 | D226N | 61 | D503N | 90 | D043I | 119 | D245I | 148 | D532I |
| 4 | D031N | 33 | D243N | 62 | D506N | 91 | D047I | 120 | D251I | 149 | D546I |
| 5 | D032N | 34 | D244N | 63 | D516N | 92 | D051I | 121 | D261I | 150 | D565I |
| 6 | D043N | 35 | D245N | 64 | D532N | 93 | D054I | 122 | D263I | 151 | D606I |
| 7 | D047N | 36 | D251N | 65 | D546N | 94 | D065I | 123 | D265I | 152 | D612I |
| 8 | D051N | 37 | D261N | 66 | D565N | 95 | D071I | 124 | D271I | 153 | D624I |
| 9 | D054N | 38 | D263N | 67 | D606N | 96 | D072I | 125 | D306I | 154 | D627I |
| 10 | D065N | 39 | D265N | 68 | D612N | 97 | D073I | 126 | D311I | 155 | D631I |
| 11 | D071N | 40 | D271N | 69 | D624N | 98 | D074I | 127 | D315I | 156 | D632I |
| 12 | D072N | 41 | D306N | 70 | D627N | 99 | D114I | 128 | D331I | 157 | D654I |
| 13 | D073N | 42 | D311N | 71 | D631N | 100 | D115I | 129 | D343I | 158 | D662I |
| 14 | D074N | 43 | D315N | 72 | D632N | 101 | D116I | 130 | D346I | 159 | D664I |
| 15 | D114N | 44 | D331N | 73 | D654N | 102 | D125I | 131 | D351I | 160 | D703I |
| 16 | D115N | 45 | D343N | 74 | D662N | 103 | D131I | 132 | D364I | 161 | D712I |
| 17 | D116N | 46 | D346N | 75 | D664N | 104 | D132I | 133 | D365I | 162 | D723I |
| 18 | D125N | 47 | D351N | 76 | D703N | 105 | D134I | 134 | D371I | 163 | D731I |
| 19 | D131N | 48 | D364N | 77 | D712N | 106 | D143I | 135 | D411I | 164 | D732I |
| 20 | D132N | 49 | D365N | 78 | D723N | 107 | D152I | 136 | D412I | 165 | D734I |
| 21 | D134N | 50 | D371N | 79 | D731N | 108 | D155I | 137 | D413I | 166 | D743I |
| 22 | D143N | 51 | D411N | 80 | D732N | 109 | D156I | 138 | D423I | 167 | D754I |
| 23 | D152N | 52 | D412N | 81 | D734N | 110 | D162I | 139 | D431I | 168 | D645I |
| 24 | D155N | 53 | D413N | 82 | D743N | 111 | D165I | 140 | D432I | 169 | Custom |
| 25 | D156N | 54 | D423N | 83 | D754N | 112 | D172I | 141 | D445I | 170 | Custom |
| 26 | D162N | 55 | D431N | 84 | D645N | 113 | D174I | 142 | D464I | 171 | Custom |
| 27 | D165N | 56 | D432N | 85 | D023I | 114 | D205I | 143 | D465I | 172 | Custom |
| 28 | D172N | 57 | D445N | 86 | D025I | 115 | D223I | 144 | D466I | 173 | Custom |
| 29 | D174N | 58 | D464N | 87 | D026I | 116 | D226I | 145 | D503I | 174 | Custom |

Default QT/DQT

| Channel # | QT/DQT | Table No. | Tone |
|-----------|--------|-----------|---------|
| 1 | QT | 1 | 67.0 Hz |
| 2 | QT | 1 | 67.0 Hz |
| 3 | QT | 1 | 67.0 Hz |
| 4 | QT | 1 | 67.0 Hz |

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