

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.

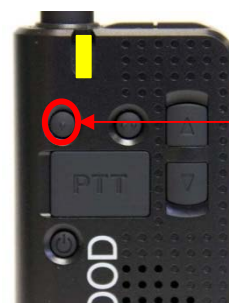
Indications

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

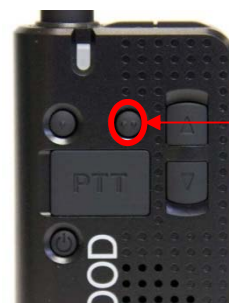
1. Single beep sounds.

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

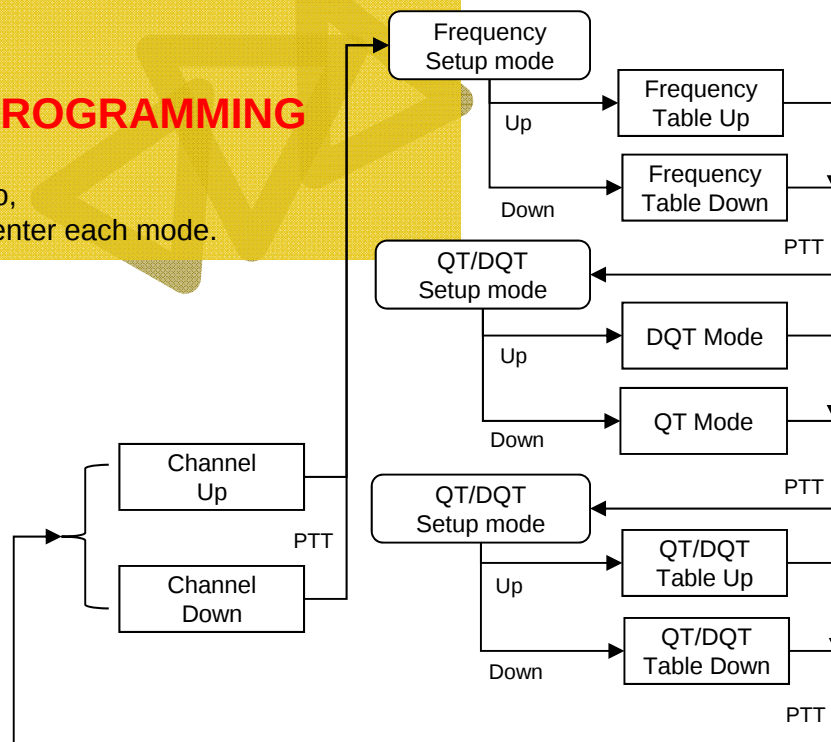
1. Hold **PWR** + **PTT** + **UP** to enter the mode.

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

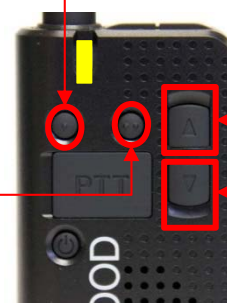
1. Yellow LED lights.
2. Announces "VOX"

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

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

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

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



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