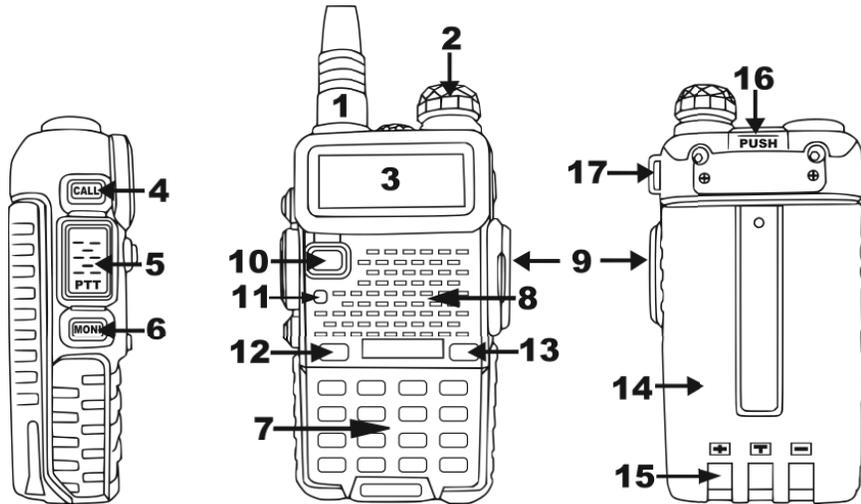


Chapter 2. Getting to know your radio

Figure 2.1. Baofeng UV-5R, overview



1. Antenna, see the section called “Assembly” for details.
2. Power / Volume knob, usage discussed in the section called “Power and volume”.
3. Two-line LCD
4. Call key
5. PTT key, usage discussed in the section called “Making a call”.
6. Monitor key
7. Keypad
8. Speaker and microphone
9. Accessory jack
10. VFO/MR mode key
11. Status LED
12. A / B select key
13. Band select key
14. Battery pack, see the section called “Charging and battery maintenance” for details.
15. Battery contacts
16. Battery release latch
17. Lanyard loop
18. LED flashlight, (not marked) situated between antenna and power/volume knob. See the section called “Side key 2 - MONI (Monitor and Flashlight)” for more information.

The main display

Figure 2.2. Baofeng UV-5R, display



The transceiver is fitted with a seven character by two line dot-matrix alphanumeric LCD, with auxiliary icons for miscellaneous features.

Table 2.1. LCD icon summary

Icon	Description
188	Memory channel
25, 75	Least significant modifiers.
CT	CTCSS enabled
DCS	DCS enabled
+, -	Frequency shift direction if enabled
S	Dual watch enabled
VOX	VOX enabled
R	Reverse function enabled
N	Narrowband enabled
	Battery level indicator
	Keypad lock enabled
L	Transmit power set to Low
	Indicates active band or channel
	Signal Strength Meter

Unmentioned icons seems to not be implemented in this model of radio.



Even though it is a seven character by two line display, channel memories are only configurable to six character names.

Battery Level Indicator

When the battery level indicator reads  the battery is depleted. At this point the radio will start beeping periodically as well as flash the backlight of the display, indicating that you need to change your battery or put your radio in the charger.

Status LED

The status LED has a very simple and traditional design. When you receive a signal it turns green, when you transmit it turns red, and it's off in standby.

Side key 1 - CALL (Broadcast FM and Alarm)

Press **CALL** momentarily to start the broadcast FM receiver. Another momentary press turns the broadcast FM receiver off.

Press and hold **CALL** to activate the alarm function. Press **CALL** again to turn it off.

Side key 2 - MONI (Monitor and Flashlight)

Press **MONI** momentarily to turn on the LED flashlight. Another momentary press turns the flashlight off.

Press and hold **MONI** to monitor the signal. This will open up the squelch so you can listen to the unfiltered signal.

VFO / MR -mode key

Pressing **VFO/MR** switches between Frequency (VFO) Mode and Memory (MR) mode. Memory mode is sometimes also referred to as Channel mode.

To save frequencies to channel memory you must be in Frequency (VFO) mode.

A / B select key

The **A/B** key switches between A (upper) and B (lower) displays. The frequency or channel on the selected display becomes the active listening and transmit frequency or channel.

To save frequencies to channel memory you must be on the A display.

Band key

The **BAND** key switches between VHF and UHF bands when in Frequency (VFO) mode.

When listening to broadcast FM, the **BAND** key switches between 65-75 MHz and 76-108 MHz bands.

Numeric keypad

The Baofeng UV-5R hand-held transceiver comes standard with a full numeric keypad.

Figure 2.3. Baofeng UV-5R, keypad



The numeric keys have their secondary function printed on them (in reality it's rather menu short-cuts, more on that in Chapter 4, *Working the menu system*).

The ***SCAN** and **#r** keys on the other hand have actual secondary functions, scan and keypad lock respectively.

Pound key

In channel mode, **#r** also acts as a transmit power short key. While in channel mode, momentarily press **#r** to change between High and Low transmit power. Do note that this does not alter the transmit power stored to memory for that channel, it only affects the current session. Switching to another channel or another operating mode (including broadcast FM) will reset transmit power to what's stored in channel memory.

Keypad Lock

The Baofeng UV-5R features a keypad lock that locks out all keys except for the three side keys.

To enable or disable the keypad lock, press and hold the **#r** key for about two seconds.

You can also enable so that the radio automatically locks the keypad after ten seconds from the menu, see Chapter 4, *Working the menu system* and ??? in Appendix B, *Menu definitions* for details.

Star key

A short momentary press of the key enables the reverse function (see Chapter 11, *Repeaters*).

When listening to broadcast FM a momentary press will start the scanning. Scanning in broadcast FM will stop as soon as an active station is found, regardless of scanner resume method.

To enable the scanner, press and hold the  key for about two seconds. See Chapter 5, *Scanning* for details.

Menu and function keys

The  key, used to enter the menu and confirm menu options.

The  and  keys are used to navigate through the menu as well as select channels and step up or down in frequency (depending on operating mode).

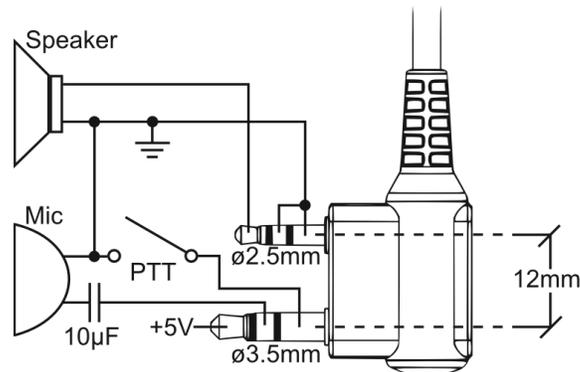
The  key is used to exit menus and cancel menu options.

For a more in-depth explanation on how to work the menu see Chapter 4, *Working the menu system*.

Accessory jack

The accessory jack on the Baofeng UV-5R is a Kenwood compatible two(2)-pin design.

Figure 2.4. Typical 2 pin Kenwood headset configuration.



The Kenwood 2-pin connector has one 3.5mm TRS plug, and one 2.5mm TS plug, spaced 12mm apart.