

SWL IR Remote for ICOM IC-R75

Commands Quick Reference for Firmware 1.43

<p>Radio Power Power Radio power on/off</p> <p>Sleep Timer (When power is on) h h m m Power Set the Sleep Timer to hh hours and mm minutes. (0:01 – 23:59). To start Sleep Timer press Clock, V DN, Set, and Clock. 0 Power Disable the sleep timer.</p> <p>Direct Entry of Frequencies 0 8 3 0 Enter 830kHz 0 Mute 7 Enter 700kHz 5 0 0 Mute Enter 500kHz 3 Mute 2 5 9 Enter 3259kHz 1 5 Mute Enter 15000kHz 1 5 Mute 2 3 Mute 5 Enter 15230.5kHz 1 5 2 3 5 Enter 15235kHz 9 5 6 5 Enter 9565kHz 3 Mute 5 Enter 3500kHz Mute (Mute) (Mute) Clear key entry during numeric entry. (LED will blink twice)</p> <p>Frequency and Memory Channel Stepping</p> <table style="width: 100%; border: none;"> <thead> <tr> <th style="border: none;"></th> <th style="border: none; text-align: center;"><u>VFO Mode</u></th> <th style="border: none; text-align: center;"><u>Memory Mode</u></th> </tr> </thead> <tbody> <tr> <td style="border: none;">CH+</td> <td style="border: none;">Freq+ by tuning step</td> <td style="border: none;">Memory+</td> </tr> <tr> <td style="border: none;">CH-</td> <td style="border: none;">Freq- by tuning step</td> <td style="border: none;">Memory-</td> </tr> </tbody> </table>		<u>VFO Mode</u>	<u>Memory Mode</u>	CH+	Freq+ by tuning step	Memory+	CH-	Freq- by tuning step	Memory-	<p>RF Gain Control 1 before VOL+/- (LED will go out when the control is full CW)</p> <p>SQL Control 2 before VOL+/- (LED will go out when the control is full CCW)</p> <p>NR Level 3 before VOL+/- (movement will stop and LED will go out at each level) 3 x before VOL+/- Turn on NR and set Noise Level to (x=1 – 9)</p> <p>Inner PBT Control 4 before VOL+/- (LED will go out when the control is centered)</p> <p>Outer PBT Control 5 before VOL+/- (LED will go out when the control is centered)</p> <p>Both PBT Controls in same direction – Acts as a bandpass shift 6 before VOL+/- (LED will go out when inner control is centered)</p> <p>Both PBT Controls in opposite directions – Adjusts bandwidth 7 before VOL+/- (LED will go out when inner control is centered)</p> <p>LCD Brightness 9 before VOL+/- (LED will go out when at ends of adjustment)</p>															
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CH+	Freq+ by tuning step	Memory+																							
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<p>Tuning Steps x before CH+/- to set a tuning step (it stays until changed again)</p> <table style="width: 100%; border: none;"> <tbody> <tr><td>1</td><td>1Hz</td></tr> <tr><td>2</td><td>10Hz</td></tr> <tr><td>3</td><td>100Hz</td></tr> <tr><td>4</td><td>1kHz</td></tr> <tr><td>5</td><td>5kHz</td></tr> <tr><td>6</td><td>10kHz</td></tr> <tr><td>7</td><td>100kHz</td></tr> <tr><td>8</td><td>1MHz</td></tr> <tr><td>9</td><td>9kHz</td></tr> </tbody> </table> <p>User Tuning Steps 0 before CH+/- Last Used User Tuning Step 0 x before CH+/- User Tuning Step (x=1, 2, 3, 4, 5)</p> <p>Volume Control VOL+ Volume up/Analog control CW/NR level up VOL- Volume down/Analog control CCW/NR level down Mute Mute on/off (returns VOL+/- to volume control after using RF/SQL, NR, or PBT controls)</p> <p>To return to Volume Control after using RF Gain, SQL, NR, or PBT controls 0 before VOL+/- (resets RF Gain, Squelch, NR, and PBT to default positions) Defaults: RF Gain Max, SQL Min, NR off, and PBTs centered 3 0 VOL+/- (turns off NR) Mute (does not reset RF Gain, Squelch, NR, and PBT)</p>	1	1Hz	2	10Hz	3	100Hz	4	1kHz	5	5kHz	6	10kHz	7	100kHz	8	1MHz	9	9kHz	<p>Scan Control</p> <table style="width: 100%; border: none;"> <thead> <tr> <th style="border: none;"></th> <th style="border: none; text-align: center;"><u>VFO Mode</u></th> <th style="border: none; text-align: center;"><u>Memory Mode</u></th> </tr> </thead> <tbody> <tr> <td style="border: none;">Last</td> <td style="border: none;">Start/Stop Programmed Scan</td> <td style="border: none;">Start/Stop Memory Scan</td> </tr> </tbody> </table> <p>Enter Commands –Toggles/Selects radio features Enter VFO/Memory mode 1 Enter Preamp 1, Preamp 2, Preamp off 2 Enter Attenuator on/off 3 Enter ANT1 or ANT2 selection 4 Enter NB on/off 5 Enter ANF on/off 6 Enter AGC slow, fast, or off (configurable) 7 Enter AM, S-AM, FM (configurable), or CW (configurable) 8 Enter LSB, USB modes 9 Enter Wide, Normal, or Narrow filters 0 Enter Display memory labels/frequency (memory mode only) 0 x Enter Announce with speech synthesis 0 - All data 1 - Frequency and S-Meter 2 - Receive Mode</p> <p>Memory Management x x Last Select Memory Channel xx (for channels 10 - 99) x Last Select Memory Channel x (for channels 1 - 9) 0 Last Memory to VFO (will not work when scanning) 0 0 Last Recall last directly entered frequency 1 0 0 Last Write VFO Frequency and mode to currently selected memory channel</p>		<u>VFO Mode</u>	<u>Memory Mode</u>	Last	Start/Stop Programmed Scan	Start/Stop Memory Scan
1	1Hz																								
2	10Hz																								
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Default, Min, Center, and Max on RF Gain, SQL, NR, and PBT

- x 0** before **VOL+/-** Default on RF Gain (**x=1**), SQL (**x=2**), NR (**x=3**), or PBT (**x=4,5,6,7**) controls
 Defaults: RF Gain Max, SQL Min, NR off, and PBTs centered
- x 1** before **VOL+/-** Min on RF Gain (**x=1**), SQL (**x=2**) or PBT (**x=4,5,6**) – Full CCW
- 7 1** before **VOL+/-** Bandwidth on PBTs - Inner full CCW, and Outer full CW
- x 5** before **VOL+/-** Center on PBT controls (**x=4** Inner, **x=5** Outer, **x=6,7** Both)
- x 9** before **VOL+/-** Max on RF Gain (**x=1**), SQL (**x=2**), or PBT (**x=4,5,6**) – Full CW
- 7 9** before **VOL+/-** Bandwidth on PBTs - Inner full CW, and Outer full CCW

User Analog Control Values

RF Gain Control

- 1 2** before **VOL+/-** user defined RF Gain #1
- 1 3** before **VOL+/-** user defined RF Gain #2
- 1 4** before **VOL+/-** user defined RF Gain #3
- 1 6** before **VOL+/-** user defined RF Gain #4
- 1 7** before **VOL+/-** user defined RF Gain #5
- 1 8** before **VOL+/-** user defined RF Gain #6

SQL Control

- 2 2** before **VOL+/-** user defined SQL #1
- 2 3** before **VOL+/-** user defined SQL #2
- 2 4** before **VOL+/-** user defined SQL #3
- 2 6** before **VOL+/-** user defined SQL #4
- 2 7** before **VOL+/-** user defined SQL #5
- 2 8** before **VOL+/-** user defined SQL #6

Inner PBT Control

- 4 2** before **VOL+/-** user defined Inner PBT #1
- 4 3** before **VOL+/-** user defined Inner PBT #2
- 4 4** before **VOL+/-** user defined Inner PBT #3
- 4 6** before **VOL+/-** user defined Inner PBT #4
- 4 7** before **VOL+/-** user defined Inner PBT #5
- 4 8** before **VOL+/-** user defined Inner PBT #6

Outer PBT Control

- 5 2** before **VOL+/-** user defined Outer PBT #1
- 5 3** before **VOL+/-** user defined Outer PBT #2
- 5 4** before **VOL+/-** user defined Outer PBT #3
- 5 6** before **VOL+/-** user defined Outer PBT #4
- 5 7** before **VOL+/-** user defined Outer PBT #5
- 5 8** before **VOL+/-** user defined Outer PBT #6

Both PBT Controls

- 6 2** before **VOL+/-** user defined Both PBTs #1
- 6 3** before **VOL+/-** user defined Both PBTs #2
- 6 4** before **VOL+/-** user defined Both PBTs #3
- 6 6** before **VOL+/-** user defined Both PBTs #4
- 6 7** before **VOL+/-** user defined Both PBTs #5
- 6 8** before **VOL+/-** user defined Both PBTs #6

Direct Enter Commands – Directly Selects radio features

- 1 x Enter** Preamp
- 0** – Preamp off
 - 1** – Preamp 1
 - 2** – Preamp 2
- 6 x Enter** AGC
- 0** – Off
 - 1** – S-Fast
 - 2** – Fast
 - 3** – Slow
- 8 x Enter** Modes
- 1** – LSB
 - 2** – USB
 - 3** – AM
 - 4** – CW
 - 5** – RTTY
 - 6** – FM
 - 7** – CW-R
 - 8** – RTTY-R
 - 9** – S-AM
- 9 x Enter** Filter Selection
- 1** – Wide
 - 2** – Normal
 - 3** – Narrow

Setting Frequency Pacing (**0 9 4 Enter**)

x x Enter

Value from 1 to 99 to control frequency pacing (tuning speed). 1 is the fastest and 99 is the slowest. Default setting is 30.

Enabling/Disabling Optional Mode Selections (**0 9 6 Enter**)

- 0 Enter** Disable FM and CW modes in selections (Factory default).
- 1 Enter** Enable FM mode in selections.
- 2 Enter** Enable CW mode in selections.
- 3 Enter** Enable both FM and CW in mode selections.
- 4 Enter** Disable AGC off (Factory default).
- 5 Enter** Enable AGC off in AGC selections.

Defining User Tuning Steps (**0 9 7 Enter**)

x Mute f f f f Enter

The User Tuning step x (1, 2, 3, 4, or 5) is defined as frequency **ffff**, converted to f.fffkHz. You must enter all digits, even zeroes; e.g. define Tuning Step 2 with a value of 1.4kHz would be **2 Mute 1 4 0 0 Enter**. The display on the radio will show the value as 2.140.000Hz when you are done to confirm the entered value.

Defining User Analog Values (**0 9 8 Enter**)

x x Mute a a a Enter

The User Analog Control xx is defined as **aaa**. The value of **aaa** must be between 0 and 255. You must enter all digits, even zeroes; e.g. define RF Gain User Defined analog setting 6 with a value of 220 would be **1 8 Mute 2 2 0 Enter**. The display on the radio will show the value as 1.800.220Hz when you are done to confirm the entered value.