CPU Reset Procedures

This is a list of CPU resets for most ICOM radios. CPU reset returns the radio to out-of-box condition: all memory channels are erased, all items in the set mode returned to default values, and all VFOs cleared. CPU reset procedure *usually* involves turning the radio off, pushing and holding specific buttons, and then turning the radio back on while still holding down the button combination. Some newer radios have a "partial reset" available, as well as a full CPU reset. Partial reset will clear the VFOs and return the set mode items to default, but it will not erase the memory channels.

Contents:

Amateur:

H A N D H E L D S:

- **IC-Delta1** - Hold [FUNCTION] & [A] & [CLR] buttons and turn the radio on.
- **IC-2GAT** - Turn the radio on, hold [LIGHT] & [FUNCTION], turn the radio off, then turn back on. Release the buttons after the display returns to normal.
- **IC-2GXAT** - Hold [FUNC] & [VMC] & [DUP] & [HI/LO] buttons and turn the radio on.
- **IC-02AT** - Serial numbers below 34000: push the button on the main circuit board next to the lithium battery. Serial numbers above 34000: hold [FUNC] button and turn the radio on.
- **IC-2iA** - Hold [LIGHT] & [MONITOR] buttons and turn the radio on.
- **IC-2SA** - Hold [LIGHT] & [MONITOR] buttons and turn the radio on.
- **IC-2SAT** - Hold [FUNCTION] & [A] buttons and turn the radio on.
- **IC-2SRA** - Hold [FUNCTION] & [A] & [CLR] buttons and turn the radio on.
- **IC-P2AT** - Hold [FUNCTION] & [A] buttons and turn the radio on.
- **IC-µ2AT** - Hold [LIGHT] button and turn the radio on.
- **IC-03AT** - Serial numbers below 34000: push the button on the main circuit board next to the lithium battery. Serial numbers above 34000: hold [FUNC] button and turn the radio on.
- **IC-3SA** - Hold [LIGHT] & [MONITOR] buttons and turn the radio on.
- **IC-3SAT** - Hold [FUNCTION] & [A] buttons and turn the radio on.
- **IC-4iA** - Hold [LIGHT] & [MONITOR] buttons and turn the radio on.
- **IC-4GAT** - Turn the radio on, hold [LIGHT] & [FUNCTION], turn the radio off, then turn back on. Release the buttons after the display returns to normal.
- **IC-4GXAT** - Hold [FUNC] & [VMC] & [DUP] & [HI/LO] buttons and turn the radio on.
- **IC-04AT** - Serial numbers below 34000: push the button on the main circuit board next to the lithium battery. Serial numbers above 34000: hold [FUNC] button and turn the radio on.

- **IC-4SA** - Hold [LIGHT] & [MONITOR] buttons and turn the radio on.
- **IC-4SAT** - Hold [FUNCTION] & [A] buttons and turn the radio on.
- **IC-4SRA** - Hold [FUNCTION] & [A] & [CLR] buttons and turn the radio on.
- **IC-P4AT** - Hold [FUNCTION] & [A] buttons and turn the radio on.
- **IC-µ4AT** - Hold [LIGHT] button and turn the radio on.
- **IC-12AT** - Hold [FUNC] button and turn the radio on.
- **IC-12GAT** - Turn the radio on, hold [LIGHT] & [FUNCTION] buttons, turn the radio off, then turn back on. Release the buttons after the display returns to normal.
- **IC-24AT** - Hold [FUNCTION] & [A] buttons and turn the radio on.
- **IC-32AT** - Hold [FUNCTION] & [A] & [LIGHT] buttons and turn the radio on.
- **IC-Q7A** - Hold [FUNC] & [BAND] & [V/M] buttons and turn the radio on.
- **IC-T2A** - Hold [A] & [C] buttons and turn the radio on.
- **IC-T2H** - Hold [aV] & [cT] buttons and turn the radio on.
- **IC-T21A** - Full reset: hold [A] & [*] & [FUNC] buttons and turn the radio on. Partial reset: hold [A] button and turn the radio on.
- **IC-T22A** - Full reset: hold [A] & [*] & [FUNC] buttons and turn the radio on. Partial reset: hold [A] button and turn the radio on.
- **IC-T41A** - Full reset: hold [A] & [*] & [FUNC] buttons and turn the radio on. Partial reset: hold [A] button and turn the radio on.
- **IC-T42A** - Full reset: hold [A] & [*] & [FUNC] buttons and turn the radio on. Partial reset: hold [A] button and turn the radio on.
- **IC-T7A** - Hold [MR] & [VFO] & [BAND] buttons and turn the radio on.
- **IC-T8A** - Hold [MR] & [VFO] & [BAND] buttons and turn the radio on.
- **IC-T81A** - Hold [SQL] & [VFO] & [MR] buttons and turn the radio on.
- **IC-V21AT** - Hold [F] & [A] & [*] buttons and turn the radio on.
- **IC-W2A** - Hold [FUNCTION] & [A] & [CLR] buttons and turn the radio on.
- **IC-W21A** - Hold [HI/LO] button and turn the radio on.
- **IC-W21AT** - Hold [F] & [A] & [*] buttons and turn the radio on.
- **IC-W31A** - Full reset: hold [A] & [*] & [MONI] buttons and turn the radio on. Partial reset: hold [A] button and turn the radio on.
- **IC-W32A** - Full reset: hold [SQL] & [VFO] & [MR] buttons and turn the radio on. Partial reset: hold [VFO] button and turn the radio on.
- **IC-Z1A** - Full reset: hold [A] & [*] & [MONI] buttons and turn the radio on. Partial reset: hold [A] button and turn the radio on.

M O B I L E S:

- **IC-27A/H** - Push the reset button under the top access cover.
- **IC-28A/H** - Push the reset button in the aft left corner under the bottom cover.
- **IC-37A** - Push the reset button under the top access cover.
- **IC-38A** - Push the reset button in the aft left corner under the bottom cover.
- **IC-47A** - Push the reset button under the top access cover.
- **IC-48A** - Push the reset button in the aft left corner under the bottom cover.
- **IC-Delta100** - Full reset: hold [SET] & [SPCH] buttons and turn the radio on. Partial reset: hold [SPCH] button and turn the radio on.
- **IC-207H** - Full reset: hold [SET] & [S.MW] buttons and turn the radio on.

Partial reset: hold [V/MHz] button and turn the radio on.

- **IC-228A/H** - Hold [SQUELCH/MONITOR] & [LOCK] buttons and turn the radio on.
- **IC-229A/H** - Hold [SET] & [MW] buttons and turn the radio on.
- **IC-281H** - Full reset: Hold [SET] & [SPCH] buttons and turn the radio on. Partial reset: hold [SPCH] button and turn the radio on.
- **IC-448A** - Hold [SQUELCH/MONITOR] & [LOCK] buttons and turn the radio on.
- **IC-449A** - Hold [SET] & [MW] buttons and turn the radio on.
- **IC-481H** - Full reset: Hold [SET] & [SPCH] buttons and turn the radio on. Partial reset: hold [SPCH] button and turn the radio on.
- **IC-706** - Hold [UP] & [DOWN] buttons and turn the radio on.
- **IC-706MKII** - Hold [UP] & [DOWN] buttons and turn the radio on.
- **IC-706MKIIG** - Hold [UP] & [DOWN] buttons and turn the radio on.
- **IC-900** - Hold [MR] button, turn the power off and then on again.
- **IC-901A** - Hold [CHECK] & [MW] buttons and turn the radio on.
- **IC-1200A** - Hold down the tuning control and turn the power on.
- **IC-1201A** - Hold [SQUELCH/MONITOR] & [LOCK] buttons and turn the radio on.
- **IC-2000H** - Hold [SET] & [PGR/CS/MW] buttons and turn the radio on.
- **IC-2100H** - Full reset: hold [SET] & [S.MW] buttons and turn the radio on. Partial reset: hold [V/MHz] button and turn the radio on.
- **IC-2340H** - Full reset: hold [SET] & [SPCH] buttons and turn the radio on. Partial reset: hold [SPCH] button and turn the radio on.
- **IC-2350H** - Full reset: hold [SET] & [S.MW] buttons and turn the radio on. Partial reset: hold [DUP] & [LOW] and turn the radio on.
- **IC-2400A** - Hold [SUB VOL] & [MW] buttons and turn the power on.
- **IC-2410A/H** - Hold [SET] & [MW] buttons and turn the radio on.
- **IC-2500A** - Hold [SUB VOL] & [MW] buttons and turn the power on.
- **IC-2700H** - Full reset: hold [SET] & [SPCH] buttons and turn the radio on. Partial reset: hold [SPCH] button and turn the radio on.
- **IC-2710H** - Hold both [S.MW] buttons and turn the radio on.
- **IC-2800H** - Full reset: hold 3rd buttons from the top on both sides of the LCD display and turn the radio on. Partial reset: hold 2nd buttons from the top on both sides of the LCD display and turn the radio on.
- **IC-3200A** - Hold [F] button and turn the radio on.
- **IC-3210A** - Hold [SQUELCH/MONITOR] & [LOCK] buttons and turn the radio on.
- **IC-3220A/H** - Hold [SET] & [MW] buttons and turn the radio on.

V H F / U H F   B A S E:

- **IC-271A/H** - Reprogram the RAM card.
- **IC-275A/H** - Hold [M-CL] button and turn the radio on.
- **IC-375A** - Hold [M-CL] button and turn the radio on.
- **IC-471A/H** - Reprogram the RAM card.
- **IC-475A/H** - Hold [M-CL] button and turn the radio on.
- **IC-575H** - Hold [M-CL] button and turn the radio on.
- **IC-820H** - Hold [MW] button and turn the radio on.
- **IC-821H** - Hold [MW] button and turn the radio on.
- **IC-970A/H** - Hold [MW] button and turn the radio on.

- **IC-1271** - Reprogram the RAM card.
- **IC-1275A** - Hold [M-CL] button and turn the radio on.

H F   B A S E:

- **IC-77** - Clone with a computer.
- **IC-706** - Hold [UP] & [DOWN] buttons and turn the radio on.
- **IC-706MKII** - Hold [UP] & [DOWN] buttons and turn the radio on.
- **IC-706MKIIG** - Hold [UP] & [DOWN] buttons and turn the radio on.
- **IC-707** - Hold [MW] & [LOCK] buttons and turn the radio on.
- **IC-718** - Hold [UP] & [DOWN] buttons and turn the radio on.
- **IC-725** - Hold [FUNCTION] & [MW] buttons and turn the radio on.
- **IC-726** - Hold [FUNCTION] & [MW] buttons and turn the radio on.
- **IC-728** - Hold [FUNCTION] & [MW] buttons and turn the radio on.
- **IC-729** - Hold [FUNCTION] & [MW] buttons and turn the radio on.
- **IC-735** - No CPU reset available.
- **IC-736** - Hold [CLR] & [ENT] buttons and turn the radio on.
- **IC-737** - Hold [CLR] & [ENT] buttons and turn the radio on.
- **IC-737A** - Hold [CLR] & [ENT] buttons and turn the radio on.
- **IC-738** - Hold [CLR] & [ENT] buttons and turn the radio on.
- **IC-746** - Hold [F-INP] & [M-CL] buttons and turn the radio on.
- **IC-751** - No CPU reset available.
- **IC-751A** - No CPU reset available.
- **IC-756** - Hold [F-INP] & [M-CL] buttons and turn the radio on.
- **IC-756PRO** - Hold [F-INP] & [M-CL] buttons and turn the radio on.
- **IC-761** - Hold [M-CLEAR] button and turn the radio on.
- **IC-765** - Hold [M-WRITE] button and turn the radio on.
- **IC-775** - Hold [CLEAR] button and turn the radio on.
- **IC-775DSP** - Hold [CLEAR] button and turn the radio on.
- **IC-781** - Hold [M-CLEAR] button and turn the radio on.

R E P E A T E R S:

- **IC-RP1220** - Turn the power off for a few minutes. Push S1 on the logic circuit board.
- **IC-RP1520** - Turn the power off for a few minutes. Push S1 on the logic circuit board.
- **IC-RP4020** - Turn the power off for a few minutes. Push S1 on the logic circuit board.

Receivers:

H A N D H E L D S:

- **IC-R1** - Hold [F] and [CL] buttons and turn the radio on.
- **IC-R2** - Hold [FUNC] & [BAND] & [V/M] buttons and turn the radio on.
- **IC-R10** - Full reset: hold [CLR] button and turn the receiver on. Rotate the main dial to select YES, then push [ENT] button. Partial reset: hold [MODE] button and turn the radio on.

B A S E / M O B I L E:

- **IC-R71A** - Reprogram the RAM card.
- **IC-R72** - Hold [MW] button and turn the radio on.
- **IC-R75** - Hold [UP] & [DN] buttons and turn the receiver on.
- **IC-R100** - Hold [FUNC] & [ENT] buttons and turn the radio on.
- **IC-R7100** - Hold [MW] button and turn the power on.
- **IC-R8500** - Hold [MW] button and turn the receiver on.
- **IC-R9000** - Hold [M-WRITE] button and turn the radio on.

Marine:

H A N D H E L D S:

- **IC-M1** - Push and hold [ALL CLEAR] button
- **IC-M1V** - Clone with a computer.
- **IC-M5** - Push the button on the main circuit board next to the lithium battery.
- **IC-M7** - Turn the radio on, hold [HI-LOW] & [LOCK] buttons, turn the power off and on again. Push [CH16/D] button to select dial mode.
- **IC-M8** - Hold [LIGHT] button and turn the radio on.
- **IC-M9** - Hold [HI/LO] & [DW/SCAN] buttons and turn the radio on. Wait until CH 16 displays on the LCD.
- **IC-M10** - Clone with a computer.
- **IC-M11** - Turn the radio on, hold [LIGHT] & [FUNCTION] buttons, turn the radio off, then turn back on. Release the buttons after the display returns to normal.
- **IC-M15** - Hold [HI/LO] & [CALL] & [DUAL] buttons and turn the radio on.
- **IC-GM1500** - Clone with a computer.

M O B I L E S:

- **IC-M45** - Clone with a computer.
- **IC-M45A** - Clone with a computer.
- **IC-M55/B** - Remove the plastic screw from the bottom cover and push the reset button underneath the screw.
- **IC-M56** - Turn the radio on, hold [CH16] & [MR] buttons, turn off, then turn the radio on again and release the buttons.
- **IC-M57** - Hold [CH16] & [HI/LO] buttons and turn the radio on. Hold the buttons for approximately 3 seconds after the radio comes back on.
- **IC-M58** - Clone with a computer.
- **IC-M59** - Clone with a computer.
- **IC-M80** - Disconnect the lithium battery, ground all CPU pins to chassis.
- **IC-M100** - Turn the radio on, hold the squelch knob and press [RESET]
- **IC-M120** - Turn the radio on, hold [CH16] & [USA], turn the radio off and then back on.
- **IC-M125** - Hold [FUNC] & [CH16] buttons and turn the radio off and back on.
- **IC-M126** - Hold [FUNC] & [CH16] buttons and turn the radio off and back on.
- **IC-M127** - Clone with a computer.

- **IC-M500** - Hold [DIMMER] & [13/67] buttons and turn the radio on.

N A V I G A T I O N:

- **FF-88** - No reset available.
- **FP-561** - Hold [MENU] button, turn the unit on, choose "all reset" and turn the unit off.
- **MR-40** - No reset available.
- **MR-61** - No reset available.
- **MR-610** - No reset available.

S S B R A D I O S:

- **IC-M600** - Hold [FUNCTION] & [CE] and turn the radio on.
- **IC-M700** - CPU reset not available.
- **IC-M700PRO** - Clone with a computer.
- **IC-M710** - Clone with a computer.
- **IC-M710RT** - Clone with a computer.
- **IC-M800** - Remove DC power from both the control head and the main unit. Wait approximately 5 minutes.
- **IC-M810** - Remove DC power from both the control head and the main unit. Wait approximately 5 minutes.

Avionics:

H A N D H E L D S:

- **IC-A2** - Push [F] & [PTT] buttons and turn the radio on.
- **IC-A3** - Hold [F] & [0] & [ENT] buttons and turn the radio on.
- **IC-A4** - No keypad reset, clone with a computer.
- **IC-A20** - Push [F] & [CLEAR] buttons and turn the radio on.
- **IC-A21** - Push [F] & [CLEAR] buttons and turn the radio on.
- **IC-A22** - Hold [F] & [0] & [ENT] buttons and turn the radio on.

G R O U N D / M O B I L E:

- **IC-A110** - Clone with a computer.
- **IC-A200B/M** - No CPU reset.

P A N E L M O U N T:

- **IC-A200** - No CPU reset.

Land mobile:

P O R T A B L E S:

- **IC-F3** - Reclone
- **IC-F3G** - Reclone

- **IC-F3S** - Reclone
- **IC-F4** - Reclone
- **IC-F4G** - Reclone
- **IC-F4S** - Reclone
- **IC-F4TR** - Reclone
- **IC-F10** - Reclone
- **IC-F20** - Reclone
- **IC-F30** - Reclone
- **IC-F30LT** - Reclone
- **IC-F40** - Reclone
- **IC-F40LT** - Reclone
- **IC-H8** - Reclone or hold [PTT] & [CLONE] buttons and turn the radio on.
- **IC-H10** - Reclone or hold [PTT] & [CLONE] buttons and turn the radio on.
- **IC-H16** - Reclone
- **IC-H18** - Reclone
- **IC-H19** - Reclone
- **IC-U8** - Hold [PTT] & [CLONE] buttons and turn the radio on.
- **IC-U10** - Hold [PTT] & [CLONE] buttons and turn the radio on.
- **IC-U16** - Reclone
- **IC-U18** - Reclone
- **IC-U19** - Reclone

M O B I L E S:

- **IC-F320** - Reclone
- **IC-F320S** - Reclone
- **IC-F420** - Reclone
- **IC-F420S** - Reclone
- **IC-F1020** - Reclone
- **IC-F2020** - Reclone
- **IC-U200** - Reclone
- **IC-U220** - Reclone
- **IC-U400** - Reclone
- **IC-V100** - Reclone
- **IC-V200** - Reclone
- **IC-V220** - Reclone

R E P E A T E R S:

- **IC-RP1620** - Turn the power off, wait a few minutes and turn the power back on.
- **IC-RP4520** - Turn the power off, wait a few minutes and turn the power back on.
- **IC-UR8050** - Turn the power off, wait a few minutes and turn the power back on.