



## ICOM 7100 Go-kit Connections

All connection ports in this document are identified with [BRACKETS]. Anything you see in [BRACKETS] is the name of the actual port on the referenced device. All cables are labeled identifying the proper port of connection. Each kit includes a PWRgate PG40S to allow the radio to run off battery power in the event of AC power loss. Please make sure, on any power connections, that red goes to red and black goes to black, so the polarity of the connections is not flipped.

1. Lay the go kit on a flat surface.
2. Unlock the 4 latches of the go-kit and lift the lid.

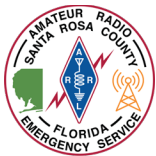


3. If you need the manuals, they are located behind the top padding of the go-kit.
4. Remove all pieces of the ICOM-7100 radio from the kit.
  - a. Please note, if you do not need HF capability, you will not need the antenna tuner or tuner cable.
5. If you need VHF/UHF capability, connect the coax cable from your antenna to the [ANT2] port located on the outer edge of the main unit of the ICOM 7100.



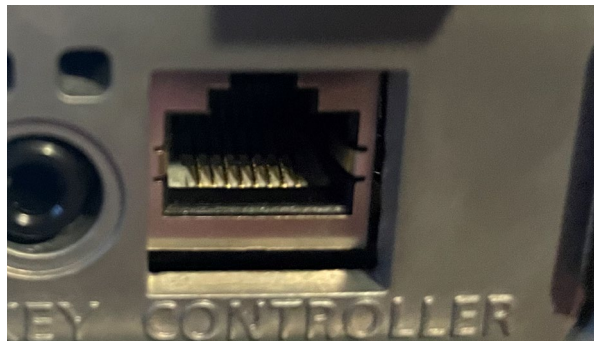
6. Locate the shielded network cable (with silver RJ45 connections.) The ports on the main unit and control head that you will connect this cable to are also silver.



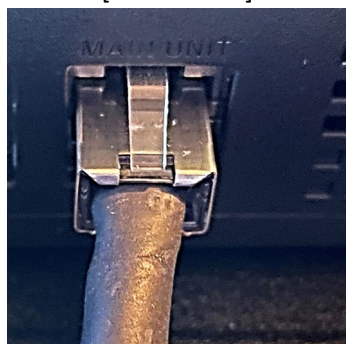


## ICOM 7100 Go-kit Connections

- a. Connect one end of the cable to the main unit to the port labeled [CONTROLLER]



- b. Connect the other end of the network cable to the rear of the control head to the port labeled [MAIN UNIT]



7. Locate the microphone and connect to the control head's [MIC] port.



8. If Winlink capability is needed, connect the smaller connector of the USB cable to the [USB] port on the rear of the main unit then connect the other end to any available USB port on the computer.





## ICOM 7100 Go-kit Connections

9. Connect the four pronged Molex connector on the red/black DC power cable to the main unit's [DC 13.8V] port.



10. Connect the PowerPole end of the same red/black DC power cable to the [OUT] port of the PWRgate PG40S.



11. If a backup battery is available, connect the PowerPole end of the battery cable to the [BAT] port of the PWRgate PG402.



12. Locate the Powerwerx Switching Power Supply SS-30DV and connect the ring terminals on the power supply cable to the rear of the power supply. Ensure the black and red ring connectors are not touching and are securely tightened.



13. Connect the PowerPole end of the same red/black power cable connected to the power supply to the [PS] port of the PWRgate PG40s.





## ICOM 7100 Go-kit Connections

14. Verify the Power Supply is in the off position then insert the IEC connector end of the AC power cable to the IEC port on the rear of the power supply on the opposite side from the ring connectors and then plug into an AC power outlet.



15. Once power is connected, double check all red & black connectors to ensure no polarity mismatch then switch the power supply to the On position.
16. If no HF capability is needed, turn the radio on by pressing and holding the center of the [AF > RF/SQL] knob on the front of the control unit.



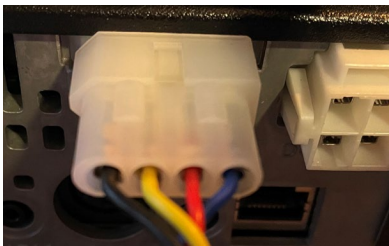
- a. You may now change channels to a local repeater or simplex frequency to check your connectivity. Please see the operating or Nifty operating manual for instructions.
- b. Verify your backup battery is working by switching the power supply to the Off position.
17. If HF capability is needed, locate the antenna tuner.



18. Connect the multi-pin connector of the cable to the antenna tuner port [RADIO].



19. Connect the Molex connector end of the cable to the port on the main unit [TUNER].







## ICOM 7100 Go-kit Connections

20. Locate the short coax jumper cable and connect one end to the antenna tuner port [RF IN].



21. Connect the other end of the short coax jumper to the main unit port [ANT1].



22. Connect the coax connection from the HF antenna to the antenna tuner port [ANTENNA].



23. Turn the radio on by pressing and holding the center of the [AF > RF/SQL] knob on the front of the control unit.



- a. You may now change channels to a local repeater or simplex frequency to check your connectivity. Please see the operating or Nifty operating manual for instructions.
  - b. To test HF capabilities, please ensure the radio is set to no more than 35% output power and the frequency is clear before pressing and holding [TUNER/CALL] button on the front of the control unit. (Remember, you must have at least a general class license to operate on HF.)
24. Ensure all cables and your operating area are tidy and free of any hazards. Cables running across the floor should be tucked out of the way or marked with caution or flagging tape.