

Basic IC-7300 Operation

at the
Bellbrook Amateur Radio Club (BARC)



IC-7300 Front Panel



Why Are We Here?



To learn the **BASICs** of Operating the Club's IC-7300 Radios

- Setup Antennas & Rotors
- Turn It On
- Set It Up for SSB Operations
- Adjust the Frequency
- Shut It Off
- Tune to Antennas

Setup Antennas & Rotors



Decide Which Station You'll Operate and On What Band

Go To The Connection Panels and Connect the Jumpers

- **Antenna** to Station # and Specific Radio
 - White for HF
 - Yellow for 6 Meters and Up (VHF/UHF)

Setup Antennas & Rotors



Decide Which Station You'll Operate and On What Band

Go To The Connection Panels and Connect the Jumpers

- Antenna to Station # and Specific Radio
 - White for HF
 - Yellow for 6 Meters and Up (VHF/UHF)
- Rotor from Tower # to Station #
 - Turn On Station's Rotor Control
 - **Press and HOLD Rotor Break button BEFORE rotating Antenna AND HOLD until Rotor STOPS**



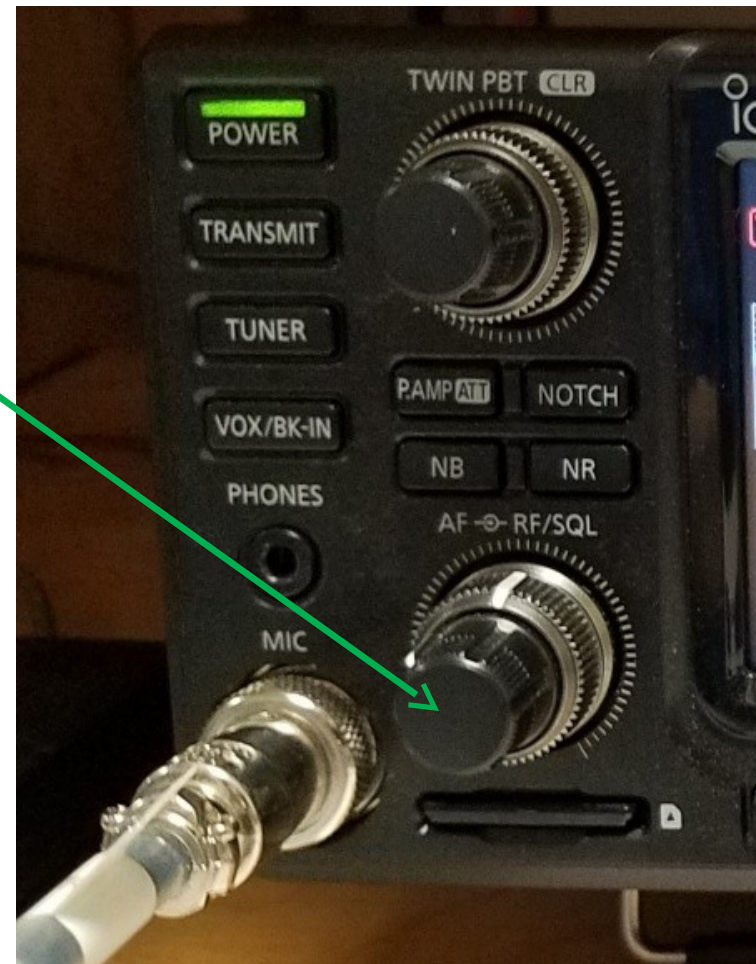
On to the Radio

Turn on the power supply 1st

• Before Start

Find Volume knob

Set to about 9-10 o'clock position





On to the Radio

Turn on the power supply 1st

• Before Start

Find RF gain knob

Set to about 11-12 o'clock, 1 o'clock max





On to the Radio

Turn on the power supply 1st

•

• Power on Radio

Find Power button

On: push (Off: Push and hold)





On to the Radio

Turn on the power supply 1st

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• Power on Radio

Volume knob

CW loud, CCW quieter





On to the Radio

Turn on the power supply 1st

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On: push (Off: Push and hold)

Volume knob

CW loud, CCW quieter



IC-7300 Front Panel





On to the Radio

To change Mode:

Touch the Mode area on the touch screen (touch the “LSB” or “USB”)

IN SSB Mode – To Adjust:

Push the “Multi Knob”

Touch the function you want to change.

Turn the knob to adjust the setting

RF POWER (Output Power – Set to 100)



Press “Multi Knob” again to exit



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MIC GAIN (Your audio drive level: Set to midrange to start)

For SSB mode, touch the TX meter to get the ALC meter

Hold the microphone a couple inches from your mouth, speak in a normal voice

Adjust until the meter reading is between 30 to 50 percent of the ALC scale



Press “Multi Knob” again to exit



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COMPRESSION “Talk power”

Speak into the microphone in a normal voice; adjust the Compressor level until the COMP meter reads within the COMP zone (10 to 20 dB)

If the COMP meter peaks exceed the COMP range, your transmitted audio may be distorted

Press “Multi Knob” again to exit



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MONITOR (Your xmit audio: ONLY when using headphones)

Press “Multi Knob” again to exit



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On to the Radio

• Tuning Radio

• To change Bands:

- Touch the MHz area of the frequency display

• To change Frequency:

- Turn the Main Dial (the big knob)



On to the Radio



• Tuner button

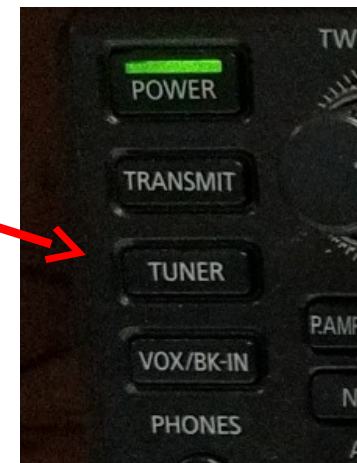
- The internal antenna tuner automatically matches the radio to the antenna between a range of 16.7 ~ 150 Ω (Max SWR: 3:1)

- **Manually tune the antenna before transmitting for the first time**

- **Hold down TUNER for 1 second to start manual tuning**

- After tuning, "TUNE" indicator is displayed.

- If the tuner can't tune, "TUNE" disappears and tuner is bypassed





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