

TEN-TEC ARGONAUT VI MODEL 539 QUICK START GUIDE

Connect a 13.8 volt power supply via the cable provided.

Connect the red wire to the positive terminal of the power supply

Connect the black wire to negative terminal of the power supply

Connect the power cable to the mate-n-lock connection on the rear of the Argonaut VI.

Connect a 50-Ohm antenna to the antenna connection on the rear of the Argonaut VI with a PL259 and 50 ohm coax cable.

SSB

Plug a compatible microphone into the microphone jack on the front of the Argonaut VI

Turn on the Argonaut VI via the power switch (1) on the front of the Argonaut VI

Switch the three position switch to the M / center position, and then press the MOD button (10) repeatedly to select either USB or LSB

Find a clear frequency by tuning the main tuning knob (6).

Switch the three position switch to the B / bottom position, and then press the USR button (10). Press hold the PTT button on the microphone.

While speaking into the microphone at a normal voice level turn the main tuning knob (6) to adjust the microphone gain until the ALC light begins to flicker on voice peaks. (ALC Light is between the TT's logo)

Release the PTT button on the microphone.

Press the USR button (10) on the Argonaut VI again to exit MIC adjustment

The Argonaut VI is now ready for a SSB QSO. Select a clear frequency then call CQ by pressing the PTT button on the microphone and speaking into the microphone or turn the main tuning knob (6) until you hear a station calling CQ, press the PTT button on the microphone and reply to their call.

CW

The Argonaut VI will automatically recognize the type of key that is plugged into the Key jack on the rear panel when power is applied.

Use the supplied 1/8 " Stereo plug for the key or paddles wired as follows.

For a straight key or external keyer, wire one conductor of the straight key or keyer to the TIP and the braid or second conductor to the SLEEVE.

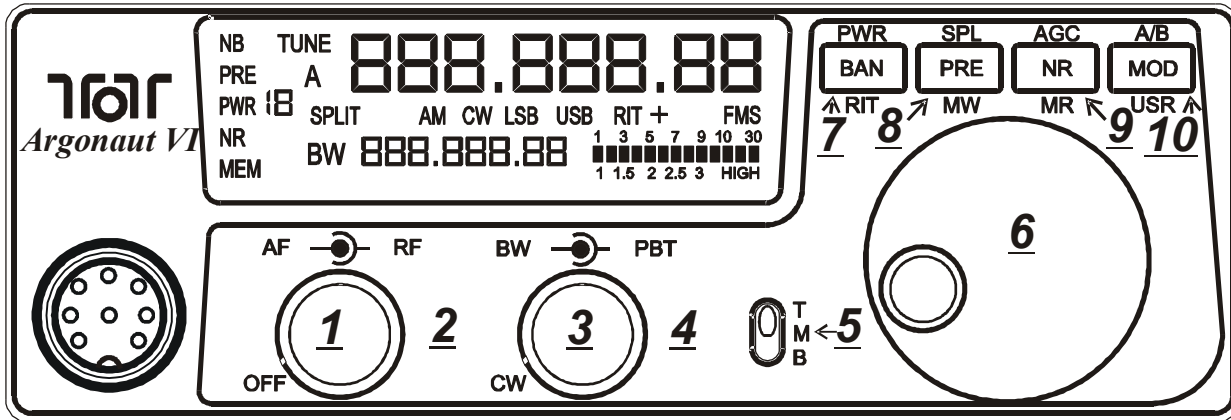
For keyer paddles wire the DIT to the TIP, DAH to the RING and GROUND to the SLEEVE.

Refer to the instruction manual CW Operation section to set the internal keyer functions.

To place the Argonaut VI in CW mode, make sure that the three position switch is in M / middle position and press the MOD button (10) repeatedly until CW is selected.

The Argonaut VI is now ready for a CW QSO, Select a clear frequency then send CQ followed by your call sign or turn the main tuning knob (6) until you hear a station calling CQ then reply to their call.

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1. AF Gain / Power– Audio Level Adjustment POT
2. RF Gain – Level Adjustment POT
3. BW – Bandwidth POT
4. PBT – Pass Band Tuning POT
5. Three Position Switch indicating Push Button Definitions (Top,Middle,Bottom)
6. Main Tuning Knob

The following are valid only when the BW Adjustment POT is not fully counter clockwise

7. **PWR** – (T) Transmit Power Level
BAN – (M) Band Up/Down
RIT – (B) RIT On/Off/adjust
8. **SPL** – (T) Split Operations
PRE – (M) Pre Amp (ON/OFF)
MW – (B) Memory Write
9. **AGC** – (T) Automatic Gain Control (F/M/S)
NR – (M) Noise Reduction (DSP 1..10)
NB – (M) Noise Blanker ON/OFF, Held=Level
MR – (B) Memory Recall
10. **A/B** – (T) A Swap B, Held = A=>B
MOD – (M) Mode Adjust (AM/CW/LSB/USB)
USR – (B) CW Speed = 5 .. 50wpm
USR – (B) Voice Modes = MicGain, Held = Switch MIC input vs LINE input

NOTE: USR buttons shown above are defaults shipped from factory. Use the setup539 PC GUI to tailor these.

The following are valid only when the BW Adjustment POT IS fully counter clockwise IN VOICE MODES:

7. (BAN) - Monitor Level
8. (PRE) - Speech Processor
9. (NR) – AN On/Off (1 beeps=off,2=on)
10. (MOD) - Undefined

IN CW MODE:

7. (BAN) - QSK Delay – 0 = full breakin.
8. (PRE) - Sidetone Level
9. (NR) - Sidetone Frequency (Hz)
10. (MOD) - Dit Spacing/ Weighting. Press again to adjust Curtis Mode A/B (0=A, 1=B)

Press/Hold Functions on Power UP Three Position Switch TMB in T position.

7. (PWR) - Configuration Menu
Release when you see “F1 xxx”
8. (SPL) - Master Reset
Release when you see “reset”
9. (AGC) - Undefined
10. (A/B) - Firmware Flash Update Mode
Release when you see ALC LED Flash ON/OFF/ON 1 second cycle