



# AOR8200 RECEIVER SET-UP INSTRUCTIONS

1. Press Power and 2VFO
2. Set the frequency to 401.679 MHz
  - Enter 401.679 on the keypad and press the ENT key
3. Set the mode
  - Push the "F" key on the left side of the receiver and then press the 3 (MODE) key
  - Use the dial on the left side of the receiver to select LSB
  - Press the ENT key
4. Set the frequency step
  - Push the "F" key on the left side of the receiver and then press the 2 (STEP) key
  - Use the dial on the left side of the receiver to select 0.05
  - Press the ENT key
5. Set the squelch to open
  - Dial the squelch control counter-clockwise until the "S" appears on the display
6. Set the frequency to the desired tone
  - Use the dial on the left side to tune by 0.1 kHz steps. 401.679 MHz is a good starting place.



## Attenuators

There are two attenuators provided by Wildlife Computers in the AOR8200 antenna and receiver kit.

### Internal Attenuator

The internal attenuator adds 10 dB of signal reduction to the receiver to enable better tracking directionality when the receiver is getting close to the transmitter.

When a maximum search range is required, the attenuator must be turned off. When the attenuator is on, "ATT" appears on the upper left section of the LCD screen.

To toggle the attenuator on and off, briefly push "F" (the function key on the left side of the receiver) and then push the "1" button on the keypad. The ATT icon will appear when the attenuator is on. To disable the attenuator, repeat the above sequence. The ATT icon will switch off, indicating the attenuator is now off.

# AOR8200 RECEIVER SET-UP INSTRUCTIONS– continued

## External Attenuator

The external attenuator adds a further 20dB of signal reduction to the receiver to enable better tracking directionality when the receiver is in very close proximity to strong transmissions.

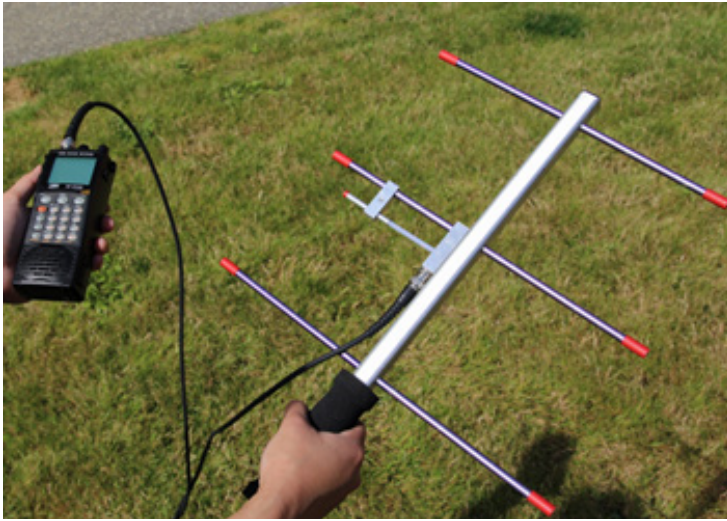


Figure 1: Antenna and Receiver



Figure 2: 20 dB External Attenuator

## Tracking Hints

Note that the use of headphones or earphones reduces external noise and increases the chances of hearing a weak signal.

When looking for a lost tag the maximum range is required. You will need to ensure that the external attenuator is not fitted and the internal attenuator is turned off as per the instructions. Search in a slow 360° sweep with the Yagi antenna horizontal to the ground. Twist your wrist 90° so that the antenna is vertical, perpendicular to the ground and repeat the 360° search. The greatest range is achieved if the receiving antenna polarization matches the polarization of the transmitting antenna.

Repeat sweeping continuously to determine the direction of the loudest signal—the direction of the loudest signal is the direction of the tag. Be aware that a signal reflected off a physical structure like a building or cliff can provide a false bearing.

Once a signal is heard and the tag is approached, the receiver/antenna will lose directionality as the signal gets stronger. Turn on the internal attenuator to reduce the signal strength. When ~500 meters from the tag the receiver will again lose directionality and at this point insert the in-line 20 db attenuator provided into the coax cable as per Figure 2.

When tags are extremely close and strong, unplugging the coaxial cable completely and walking around with just the receiver will help pinpoint the tag.

The complete AR8200 manufacturer's operating manual can be found at: <http://www.aorusa.com/support/manuals.html>

**For Help At Any Time: +1 (425) 881-3048 or Email: [tags@wildlifecomputers.com](mailto:tags@wildlifecomputers.com)**