**Introduction**

The SP-8 is a high fidelity loudspeaker incorporating manual frequency tailoring specifically intended for amateur and general communications modes. Other wideband tailoring is included for broadcast listening, music and FM reception. Independently adjustable low-cut and high-cut filters offer twelve possible audio response configurations selectable from the front panel, enabling the operator select optimum response under all conditions and modes. Two separate inputs are selectable by a front panel switch. Two output jacks (1/4-inch and 3.5mm) for headphones are also provided on the front panel, so that frequency tailoring may also be used with separate headphones.

**Front Panel Controls**

**FILTER** - The low-cut filter includes two positions in addition to the **NORM** (through) position, while the high-cut selector includes three, plus **NORM**. The audio frequency response graph on the front panel indicates which combination of positions are recommended for each mode being received.

**MODE** - Four audio tailoring selections are available by rotating this control:

- **MUTE** - disables audio output from internal speaker, as well as from the front panel headphone jacks.
- **MANUAL** - audio tailoring is effected using the **LOW** and **HIGH** cut controls.
- **SSB** - this enables factory-preset audio tailoring specifically for SSB reception.
- **CW** - his enables factory-preset audio tailoring specifically for SSB reception.

**INPUT** - Select between the two available audio input jacks on the rear panel.

**PHONES A & B** - both 1/4" standard and 3.5mm mini phone plug jacks are available on the front panel. The loudspeaker is disabled when a plug is inserted in this jack.

**Rear Panel Controls & Connectors**

**INPUT A & B** - Two audio inputs can be connected here, and selected via the front panel **INPUT** switch.

**LINE OUT** - This jack accepts line-level audio output from the optional LL-7 patch unit.

**Installation**

Connect the supplied cable between the **EXT SPKR** jack on the transceiver and **INPUT A** (or **B**) jack on the SP-8.

**Operation**

- To select input audio (A or B), press the **INPUT** switch on the front panel. Select the **MODE** switch according to the received signal type:
- During **SSB** operation, set the **MODE** switch to the **SSB** position. Similarly, during **CW** operation, set the **MODE** switch to the **CW** position.
- If you are listening to **AM** broadcast, set the **MODE** switch to the **MANUAL** position, and the **LOW** (FILTER) and **HIGH** (FILTER) switches to **NORM**.
- When interference is present on the receiving signal, such as heterodyne noise, set the **MODE** switch to the **MANUAL** position, and **LOW** (FILTER) and **HIGH** (FILTER) switches to the position giving the best results on received audio. To cancel audio from the speaker (and headphones), set the **MODE** switch to the **MUTE** position.

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Adjusting the Front Feet

The two front feet of the SP-8 can be set in either of two positions. By turning the knurled ring around a (retracted) foot clockwise, the middle of the foot will extend about one centimeter. Turn the ring as far as it will go (about ¼-turn) to lock the extended foot in place. To retract an extended foot, turn the knurled ring counter-clockwise ¼-turn while pressing on the center of the foot.