

RMR-PCA Operating Manual for Vertex Standard VHF two way radios

Radio Setup and Function

Install the antenna by gently screwing the antenna base onto the post on the top of the radio. The threads are very fine and easy to cross-thread so please use two fingers only.

If you are using earphones or PTT/earbuds the plug cover on the right side of the radio must be removed. Please note that the screw holes are NOT an equal distance from the center jack hole. The screw hole on the bottom is farther away than the hole on the top. So, when you plug the headphone jack into the radio the long arm of the jack must be in the down position (short arm up) – which makes the wire to the headset face up when the radio is held upright. Additionally, the spacing for the two finger screws on the jack does NOT fit the hole spacing exactly (it is just a hair off). That means that you will not be able to get both screws to fully screw into their threads in the radio. The good news is that ONE screw is enough to secure the jack to the radio. DO NOT use a screw driver on the finger screws!

The knob next to the antenna is the channel selector. We use only two channels, 1 & 2. 1 is for use with our radio repeater system at HPR only. 2 (the dot between 1 & 3) is for two way use anywhere. You can not monitor 2 on 1 (or 1 on 2) - they are mutually exclusive channels. Selecting any other channel (3-16) when the radio is on will produce a warning noise that sounds like a cell phone ring.

The knob on the right is the volume. Full left is click-on click-off. Full right will ruin your ears if using headphones.

To receive simply turn on the volume and set the correct channel. Squelch is automatic. To transmit, make certain that no one else is talking then press and hold down the large rectangular button on the left side of the radio. Please note that the red light comes on between the antenna and the channel selector when your radio is transmitting and a green light when someone else is broadcasting (you are receiving). The two round buttons below the broadcast button are not programmed. If you push them and hold them down something may happen – but it probably won't be good.

Headphone Use

As mentioned above (2nd paragraph) the headphone (red earmuffs) jack is difficult to secure so please re-read that paragraph. When the earphones are plugged in to the radio you must the black button on top of the right ear muff to transmit as the transmit button on the radio will not work.

Recharging

The batteries can be recharged while attached to the radio or removed. Turn the radios off first then simply slide them into the charging stand with the battery packs facing the stand. The batteries are fully charged after they have been on the green light (bottom of charger stand) for **at least 30 min**. There are two additional extreme use batteries (a bit fatter than the others) in the box for use in the radios that will be transmitting more often (transmitting places much greater demands on the batteries than receiving). If you limit you transmissions to short, clear sentences the batteries will last a full day. A blinking red light on the radio top indicates a low battery situation.