

PORTABLE REPEATER CONNECTIONS AND SETTINGS for ACFT:

1. Remove repeater lid (hinge pins slide off to right) & stow on ground / in cargo compartment. Secure Repeater on right side (observer side) of rear seat with seat belt thru the suitcase handle.

2. Connect Repeater Antenna connection (under raised shield on repeater) to the “CUSTOMER ANTENNA” connection:

a. for C182T acft (829CP, 633CP, 960CP): connection with screw-on protector is on rear seat armrest. Use antenna cable provided with repeater.

b. for other acft, use the acft’s antenna lead (under rear seat). If acft lead is not long enough, use the antenna cable provided with repeater and any needed adapter plugs.

NOTE: There are antenna adapters and an antenna cable extension in the black pouch inside the repeater case lid.

3. Power to Repeater (**12 Volts DC ONLY**):

NOTE: There is no “On/Off” switch on repeater; it is on when power is connected. There is a labeled ‘Pwr/TX’ Light (green for power on; red for x-mitting) on top right of repeater face panel.

a. Acft Power using CAP Power Plug (usable for 829CP, 633CP, 960CP, 97779):
Using Red & Black power cord, align, push-down & turn male connector (under yellow plastic protector) to CAP Power Plug (has screw-on protector) on top of rear seat armrest (for 97779, connector is on bottom front of rear seat); connect other end to repeater power receptacle labeled “DC” on repeater face panel.

NOTE: For C182T acft, ‘Mission Power’ and ‘Rear Aux Power’ toggle switches on right side of instrument panel must both be on to power this acft connection.

b. Acft Power using **12V DC** Cigar Lighter Power Plug (usable for all acft EXCEPT 4734E or 9310X):

Using Gray power cord, push appropriate male end into female **12V DC** Lighter Receptacle in rear seat area. Connect other end to repeater power receptacle labeled “DC” on repeater face panel.

c. Portable Battery Power (usable for all acft):

Using power cord in battery box, connect plug end of cord to power connector already attached to battery. Connect other end to repeater power receptacle labeled ‘DC’ on repeater face panel.

NOTE: Secure/tie down the battery!!

NOTE: Each battery should power repeater for approx 1.5 – 2 hours.

4. Settings:

Select the briefed channel using the pointer knob on the repeater face panel

NOTE: For airborne use, repeater transmit power is limited to 10 watts by FCC regulation.

IMPORTANT!!

If the Portable Repeater is **INSTALLED & OPERATIONAL** in your aircraft, **DO NOT** set the aircraft FM radio to the Operational Repeater Channel. The repeater antenna and the acft FM antenna are only a few feet apart, and 10 watts of transmit output power from either the Repeater or the FM Radio could “fry” the other’s receiver.

The High Bird aircraft should monitor and transmit on appropriate air-air or air-ground channel to contact personnel that are using the repeater.