

PORTABLE TACTICAL REPEATER PDR-3500

This repeater weights 46 lbs.

THE PDR-3500 PORTABLE REPEATER KIT CONTAINS THE FOLLOWING COMPONENTS:

- Aircraft Power Cord
- 12 VDC Power Cord
- 120Vac Power Cord
- ¼ Wave Whip antenna and Magnetic Mount
- Adapter N-Male to UHF (PL259)
- Aircraft Antenna Cable Jumper 3' (N to BNC)

Use care when repacking the kit to avoid damage to the duplexer connections.

For Airborne Operations:

1. Contact the IC or the mission CUL to determine operating channel and tasking.
2. Before deploying on the mission:
 - a. Select the proper channel with the channel switch. **Channel 1 through 6 ONLY.**
 - b. Connect the aircraft antenna cable jumper to repeater and the BNC connector on the right armrest of the aircraft.
 - c. Connect the aircraft power cord to the power connector on the right armrest of the aircraft.
 - d. Connect the power cord to the repeater.
 - e. Make sure the Auxiliary Power switch on the aircraft is turned on.
 - f. A light should illuminate above the PTT/Reset switch. The repeater will then go through a self test that will take about 45 seconds. When the repeater is ready, the "Station On" light will be solid green. The AUX light will continue to flash.
3. Select the proper channel on the aircraft radio. Key the radio to watch for the light on the repeater to turn red. Release the mic, you should hear a short squelch tail.
4. Turn the aircraft Auxiliary Power switch off.
5. Make sure the repeater is secured with seatbelt and/or straps.
6. After take off, or when directed by the IC or CUL turn the Auxiliary Power switch on to activate the repeater.
7. Turn the repeater off before approach to landing.

For Ground Operations:

1. Contact the IC or the mission CUL to determine operating channel and tasking.
2. Select the proper channel with the channel switch.
3. Assemble the magnetic mount and antenna element.
4. Connect the antenna coax to the repeater and place the antenna as far as possible from the repeater on a metal surface.
5. Connect to power:
 - a. If using battery power, attach the cable to the battery first, then the repeater.
 - b. If using AC, Connect to the repeater first, then the outlet.
 - c. A light should illuminate above the PTT/Reset switch. The repeater will then go through a self test that will take about 45 seconds. When the repeater is ready, the "Station On" light will be solid green. The AUX light will continue to flash.
6. The repeater should now be operational. Avoid an area of 5 feet around the antenna.

If you have any problems, contact the CUL, IC, or Wing DC as soon as possible.