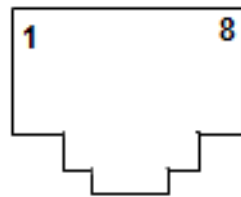


## Power/Ethernet Connector

This connector is the primary connector on the radio, and must be connected to provide power to the radio, and primary Ethernet communications for traffic and Ethernet. Figure 45 illustrates the pin orientation and functionality for this connector.

Use a straight cable (wired as a standard Ethernet connection) for connection between the Power Injector and the PoE port of the radio. The wiring follows typical wiring for Power-over-Ethernet (PoE), however the power consumption requirement for the ExtremeAir, ExploreAir HP, and ExploreAir LR rc-Series (FDD) radio does not allow for ‘standard’ (802.3af) PoE, and only the Exalt power injector shall be used. In addition, the Exalt power injector provides critical reset and alarm capability that would not be available from a generic PoE injector, even if the power consumption requirement is met.



Pin	
1	Paired with Pin 2 (with 48VDC)
2	Paired with Pin 1 (with 48VDC)
3	Paired with Pin 6 (with 48VDC)
4	Paired with Pin 5 (with 48VDC)
5	Paired with Pin 4 (with 48VDC)
6	Paired with Pin 3 (with 48VDC)
7	Paired with Pin 8 (with 48VDC)
8	Paired with Pin 7 (with 48VDC)

Figure 57 Power/Ethernet connector



**Note:** Wire the CAT5e or CAT6 cable for the PoE connection as a ‘straight-through’ cable between the PoE injector and the radio. The cable connected to the injector for network access may be either straight-through or cross-connected. For xx005 models, the secondary Ethernet connections may be wired as straight-through or cross-connected and do not have power applied.

## XPIC Cabling – ExploreAir LR models only

XPIC configurations require cabling between the two cabling between the XCON1 and XCON2 connections at each end.