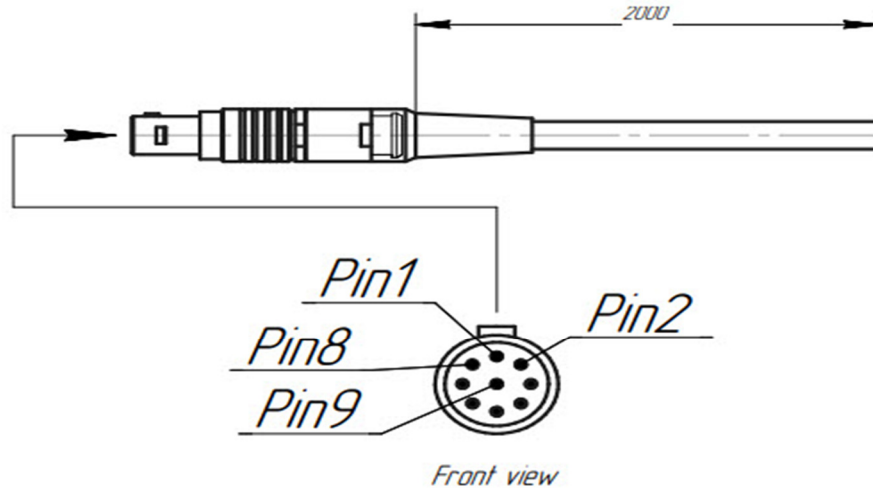


EMLID: Power Setup

Emlid cable side



<i>Pin</i>	<i>Pin name</i>	<i>Wire</i>
<i>1</i>	<i>GND</i>	<i>red</i>
<i>2</i>	<i>GND</i>	<i>black</i>
<i>3</i>	<i>GND</i>	<i>green</i>
<i>4</i>	<i>Event</i>	<i>blue</i>
<i>5</i>	<i>PPS</i>	<i>yellow</i>
<i>6</i>	<i>RX</i>	<i>orange</i>
<i>7</i>	<i>TX</i>	<i>brown</i>
<i>8</i>	<i>5V 1A output</i>	<i>gray</i>
<i>9</i>	<i>5-40V Input</i>	<i>violet</i>

1. Strip back the insulation from the emlid power cable.
2. Slip a 2" piece of 1/4" heatshrink over the cable.
3. Cut away the sheild, drain and the blue, yellow, orange, brown and gray wires.
4. Strip the red, black and green wires, @ 1/4", twist together and crimp into a Deutsch Pin.
5. Strip the violet wire at 3/8", fold over and crimp into a Deutsch Pin.
6. Plug the ground (red/black/green) into position 2 of a two pin Deutsch receptacle.
7. Plug the power (violet) into position 1 of a two pin Deutsch receptacle connector.
8. Pull the heatshrink up over the bare wires and heat into place to seal the cable connector.

Power Supply Unit Side

1. Cut the round power connector off of the power supply unit.
2. Strip back the insulation from the power supply cable.
3. Slip a 2" piece of 1/4" heatshrink over the cable.
4. Strip the red and black wires @ 1/4" and crimp on a Deutsch Socket on to each wire.
5. Plug the ground (black) into position 2 of a two pin Deutsch plug connector.
6. Plug the power (red) into position 1 of a two pin Deutsch plug connector.
7. Pull the heatshrink up over the bare wires and heat into place to seal the cable connector.

Completing the Circuit

1. Cut wires/cable to the necessary length to connect the Emlid base station to the power supply.
2. Strip the wires/cable on one end and crimp Deutsch sockets from supplied materials.
3. Plug the ground wire into position 2 of the supplied Deutsch plug connector.
4. Plug the power wire into position 1 of the supplied Deutsch plug connector.
5. Strip the wires/cable on the opposite end and crimp the Deutsch pins from the supplied materials.
6. Plug the ground wire into position 2 of the supplied Deutsch receptacle connector.
7. Plug the power wire into position 1 of the supplied Deutsch receptacle connector.
8. Insert the plug from the cable that was created into the receptacle on the Emlid power cable.
9. Insert the plug connector from the power supply into the receptacle connector of the cable that was created to connect the Emlid base station to the power supply.