

R50 Mil.™

Setup Guide



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R50™ - Overview

R50™ Provides persistent video surveillance at the tactical edge. Networked to stream video through a tethered connection or broadcast over an encrypted tactical radio network. R50™ will present a “live” view of the battlespace from a fixed and/or concealed position.

R50™ reduces the risk of exposure and possible detection by allowing the user to leave the system behind and access the video stream remotely through Mobile Tactical & Command Post Systems. The system can be configured to broadcast tactical video and snap shots, as well as save the data to the End User Device (EUD).

R50™ is powered with a small mobile battery or other standard military batteries for extended operations. The system provides automatic network routing and multicast support for rapid deployment and ease of use.







Recon 5 Overwatch™ - Configuration Guide

This article will cover:

Camera Setup:

Connect the Recon 5 to a 2590 then warm up the camera before turning it on.

Board Setup:

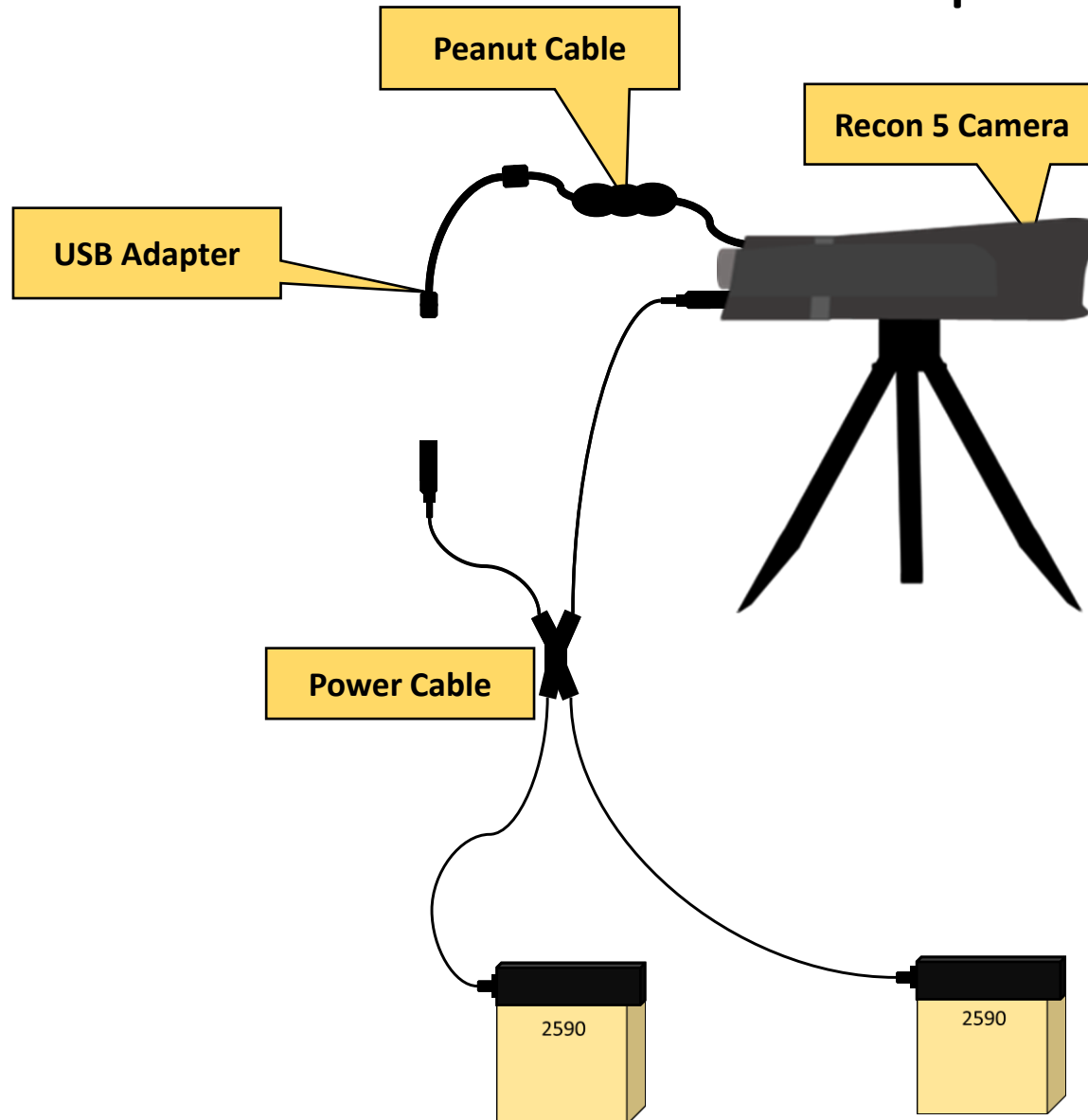
Connect the board to the Recon 5 camera and power.

Ethernet Setup:

Connect the Ethernet Dongle into the board. Then, plug the Ethernet Cable into the Dongle. Lastly, connect the Ethernet Cable into the OTG adapter and plug it into your EUD (end user device).



Recon 5 Overwatch™ - Camera Setup



What you will need

Item	Quantity
2590 Battery	2
Power Cable	1
Recon 5 FLIR System	1
Peanut Cable	(Should come with the FLIR system)
USB adapter	1

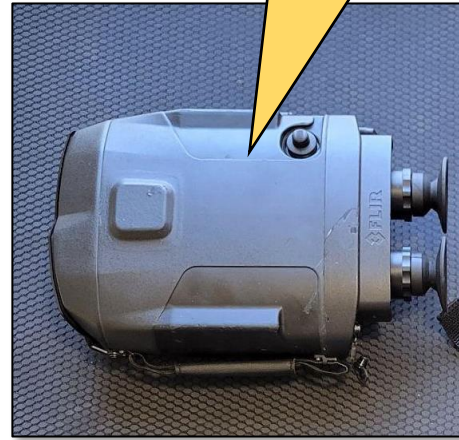


Recon 5 Overwatch™ - Camera Setup

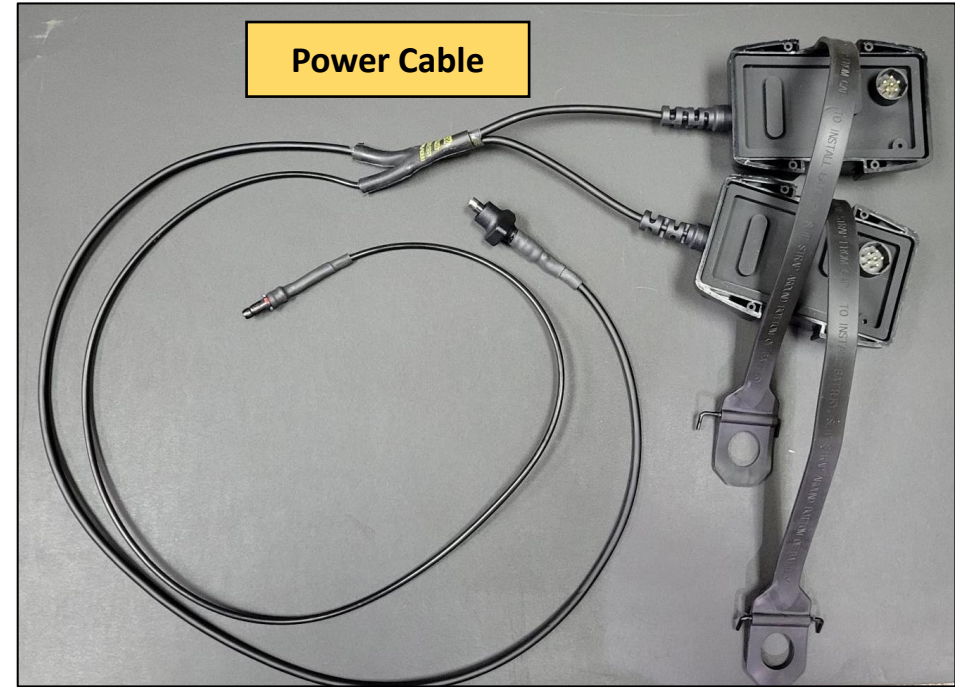
2590 Battery



Recon 5 Camera



Power Cable



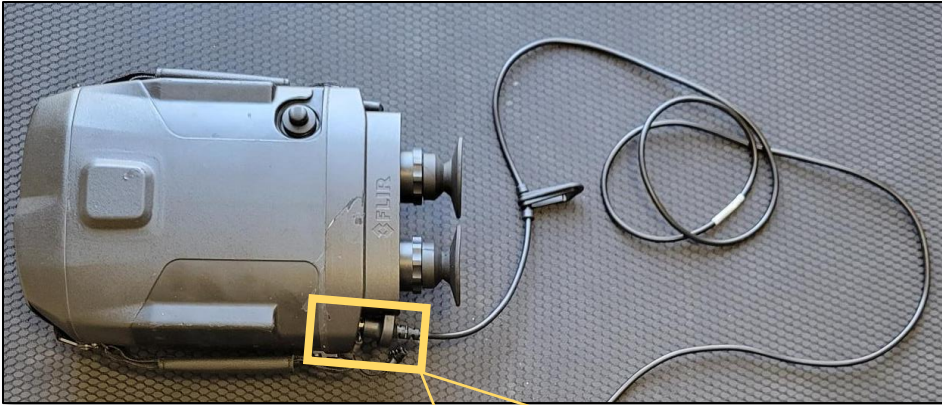
USB Adapter



Peanut Cable

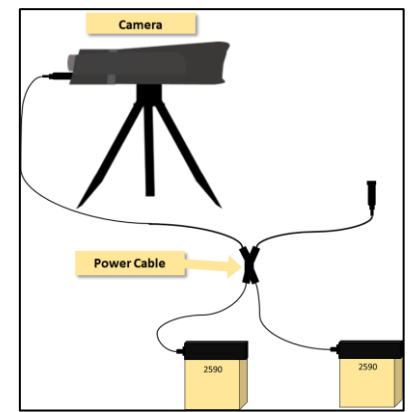


Recon 5 Overwatch™ - Camera Setup



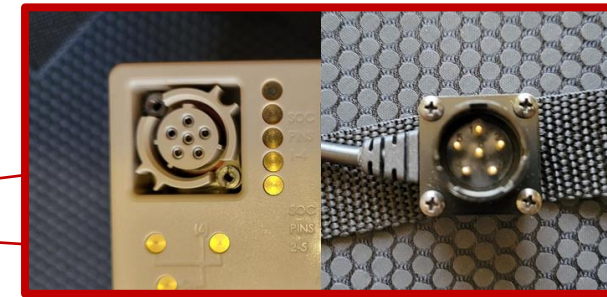
Step 1:

Connect the Camera to the Power Cable.



Step 2:

Plug both 2590 batteries into the Power Cable.

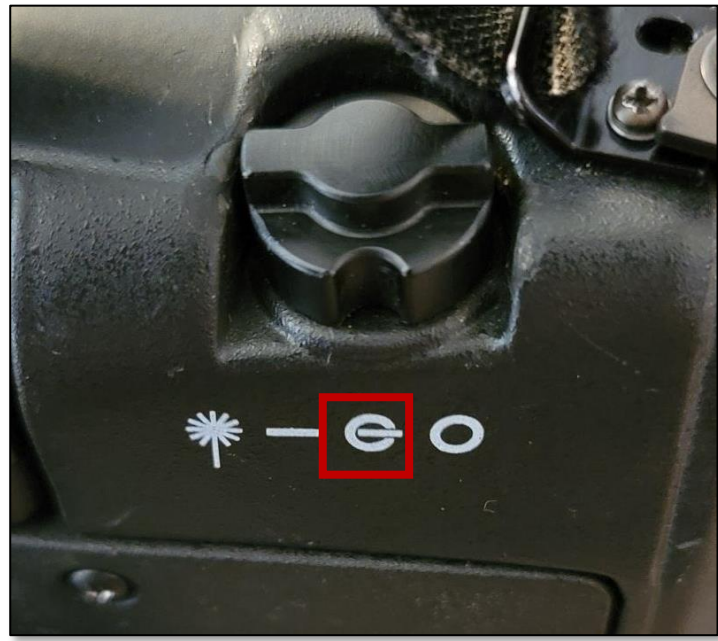


Important:

Make sure you line up the notches on the power cable with the ones on the battery.



Recon 5 Overwatch™ - Camera Setup cont.



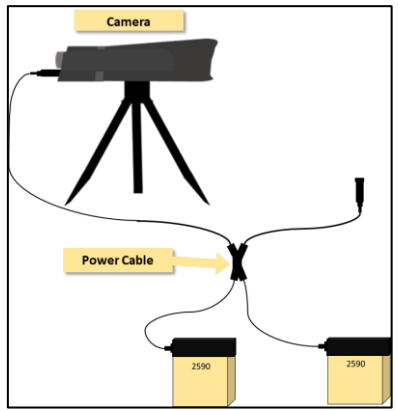
Step 3:

Switch the Recon 5 into warmup mode. You will hear the camera warming up for a couple minutes.

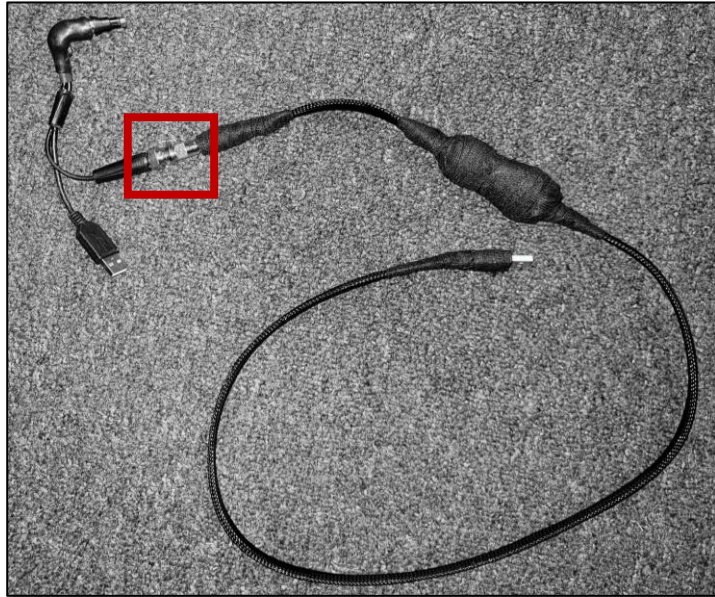


Step 4:

After the camera is warmed up you can switch it to the on position.



Recon 5 Overwatch™ - Camera Setup cont.



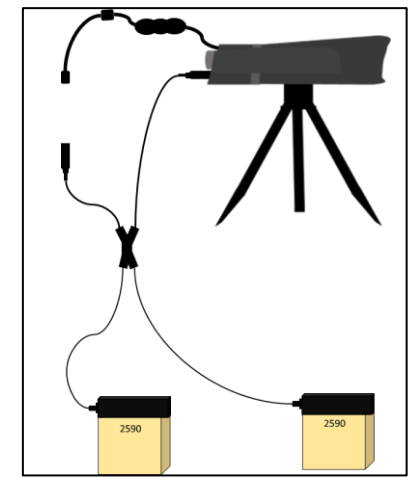
Step 5:

Connect the FLIR adapter to the peanut cable, then plug the other end into the Recon 5.



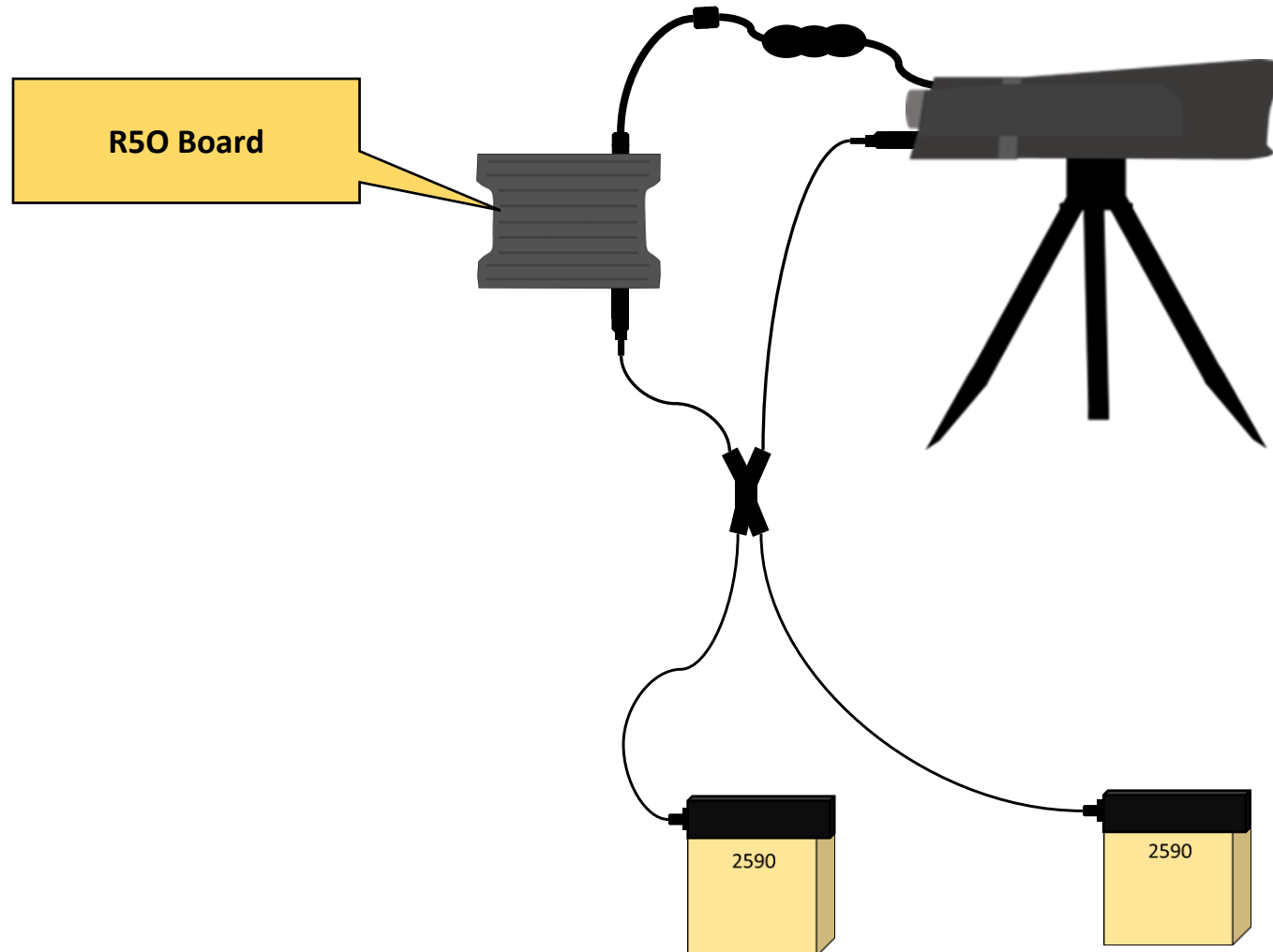
Step 6:

Connect the usb adapter dongle to the peanut cable.





Recon 5 Overwatch™ - Board Setup



What you will need

Item	Quantity
R50 CPU	1



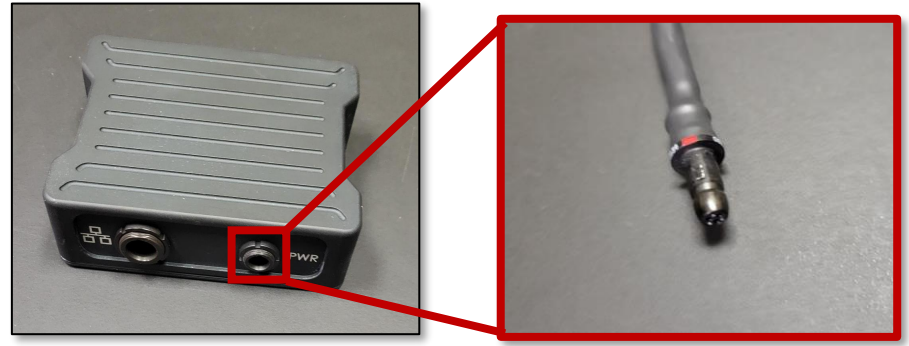
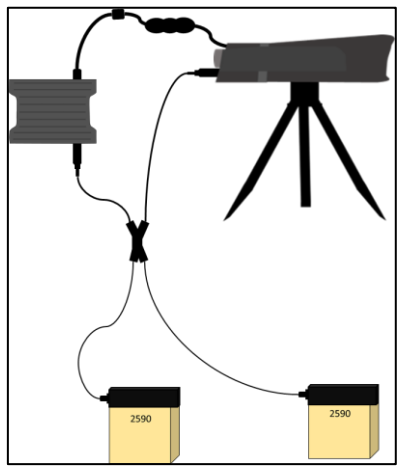
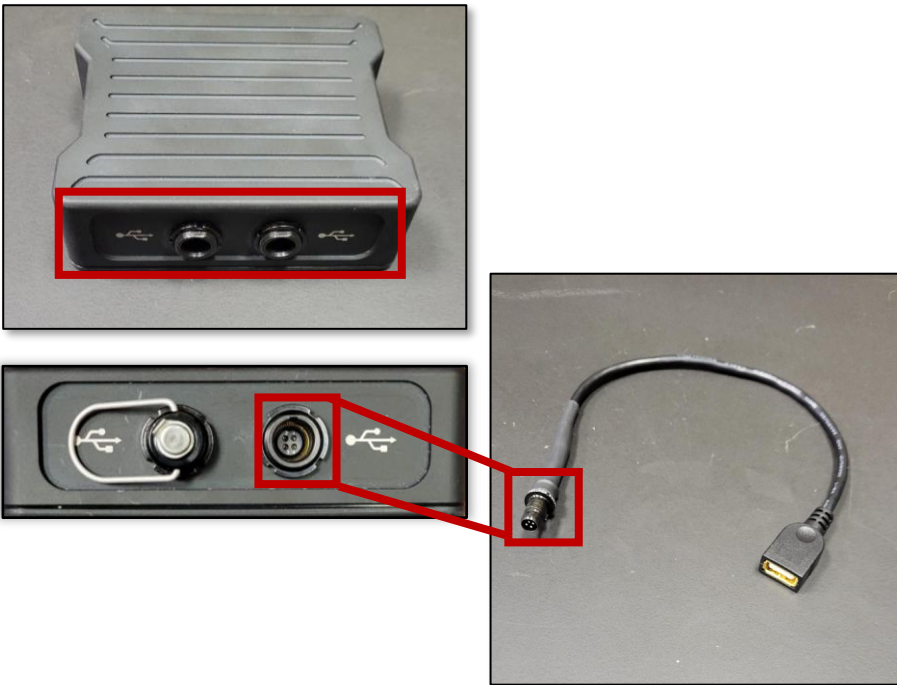
Recon 5 Overwatch™ - Board Setup



R50 Board



Recon 5 Overwatch™ - Board Setup



Step 1:

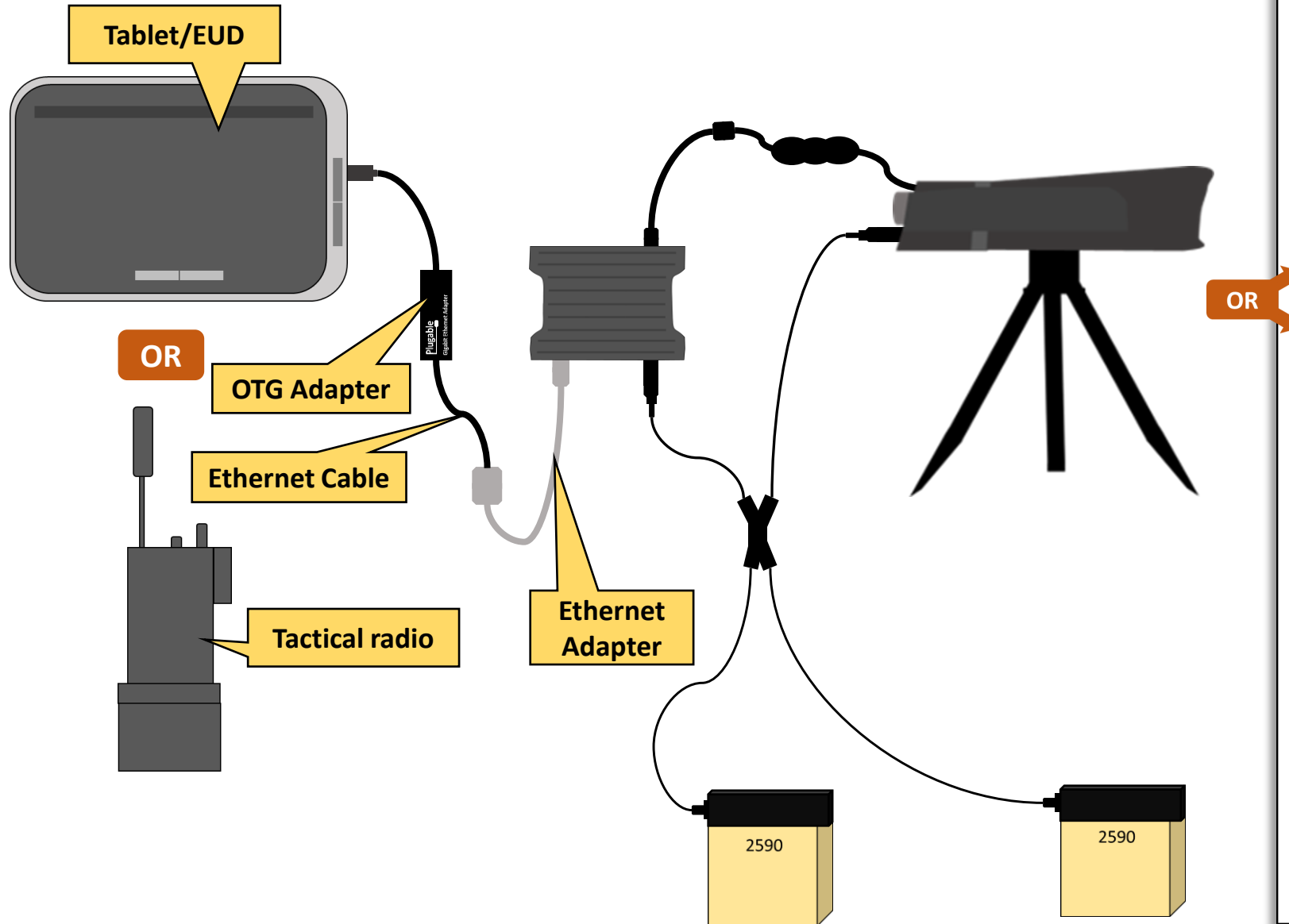
Plug the USB adapter that's attached to the peanut cable into the USB port on the R50 board.

Step 2:

Plug the red power cable into the R50 Board



Recon 5 Overwatch™ - Ethernet Setup

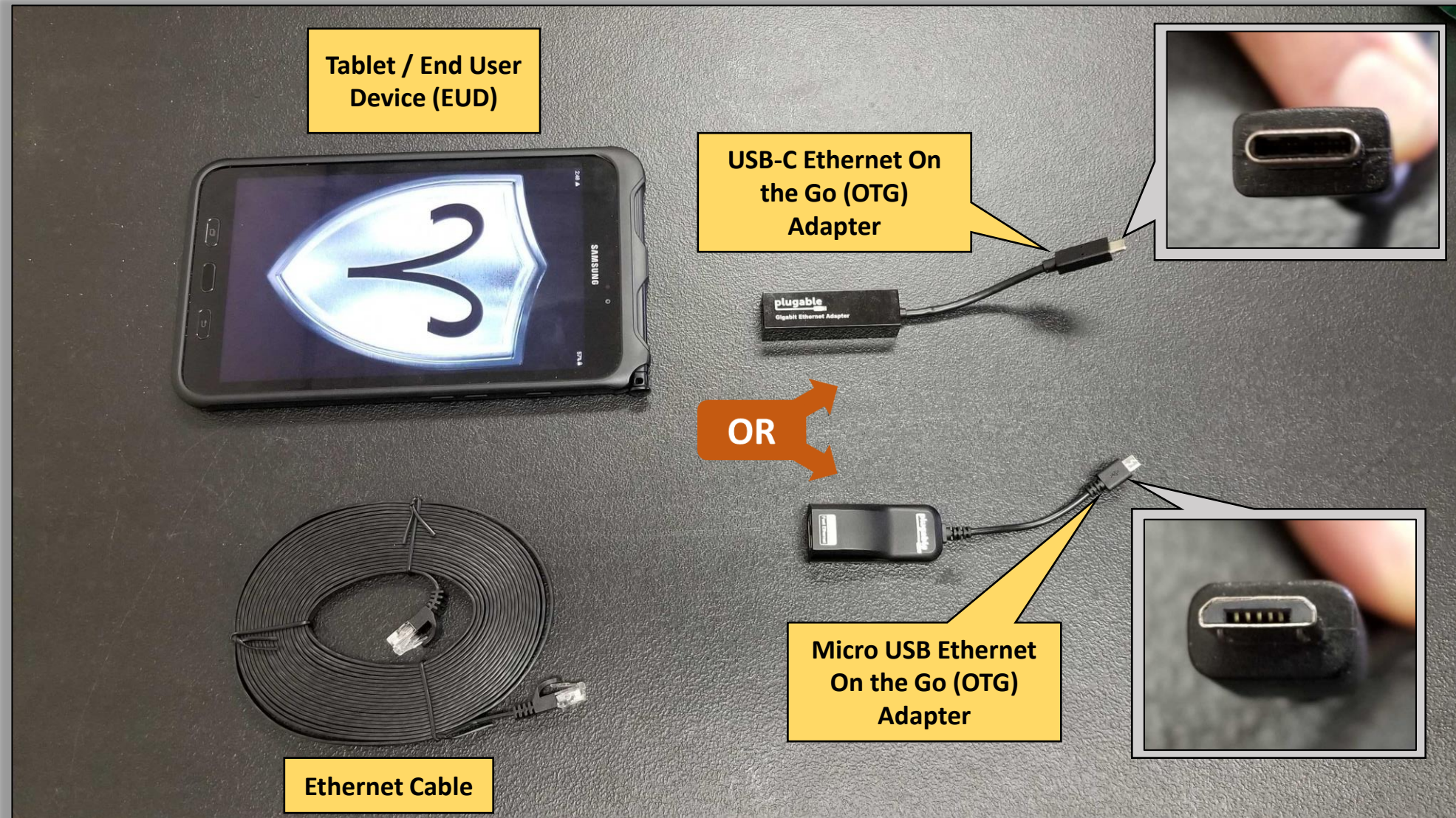


What you will need

Item	Quantity
Ethernet cable	1
OTG Adapter	1
Tablet/EUD	1
Tactical radio	1
Ethernet Adapter	1



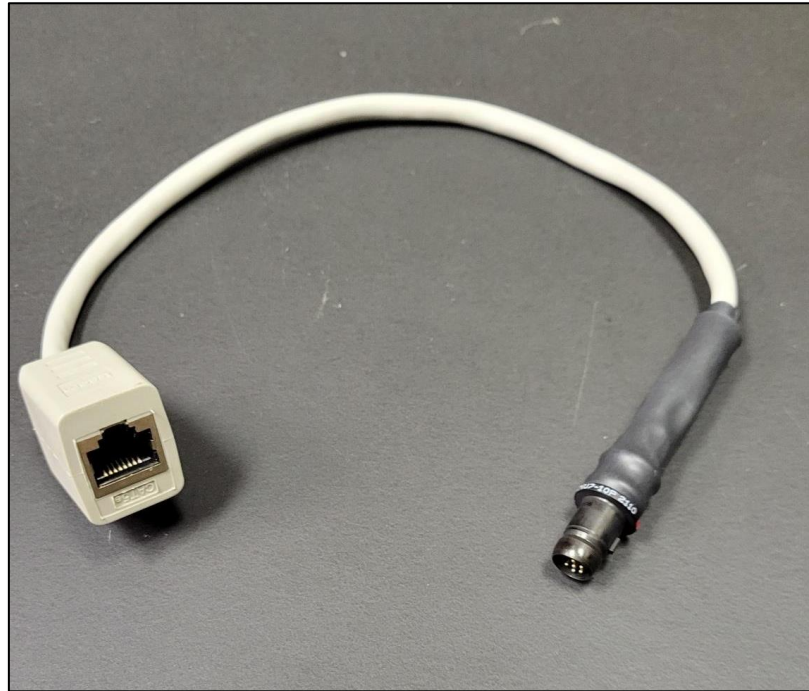
Recon 5 Overwatch™ - Ethernet Setup





Recon 5 Overwatch™ - Ethernet Setup

Ethernet Adapter



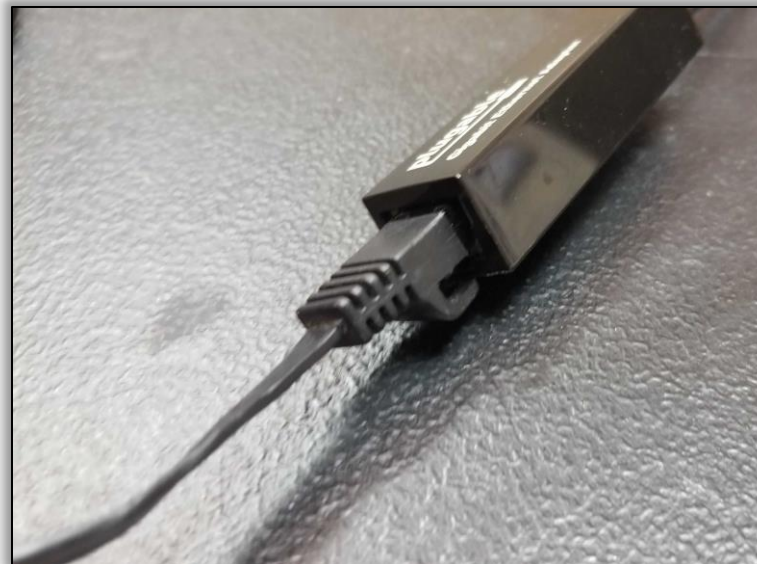


Recon 5 Overwatch™ - Ethernet Setup



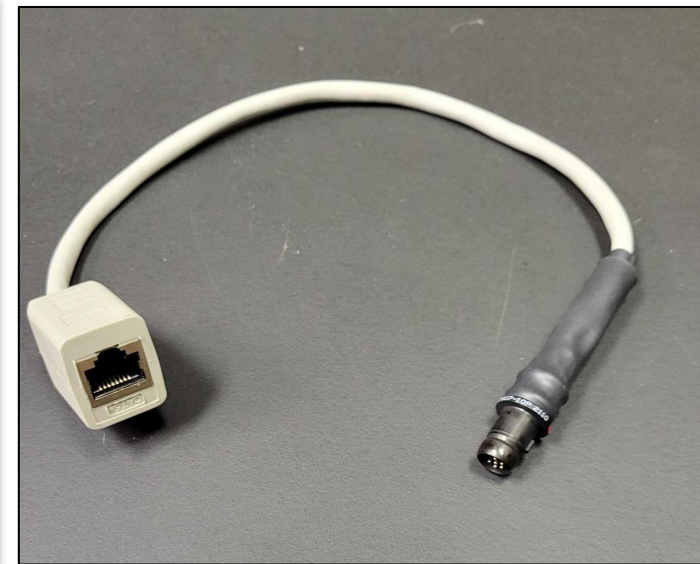
Step 1:

Connect the On-The-Go (OTG) Ethernet Dongle into the End User Device (EUD).



Step 2:

Plug the Ethernet Cable into the OTG Dongle.

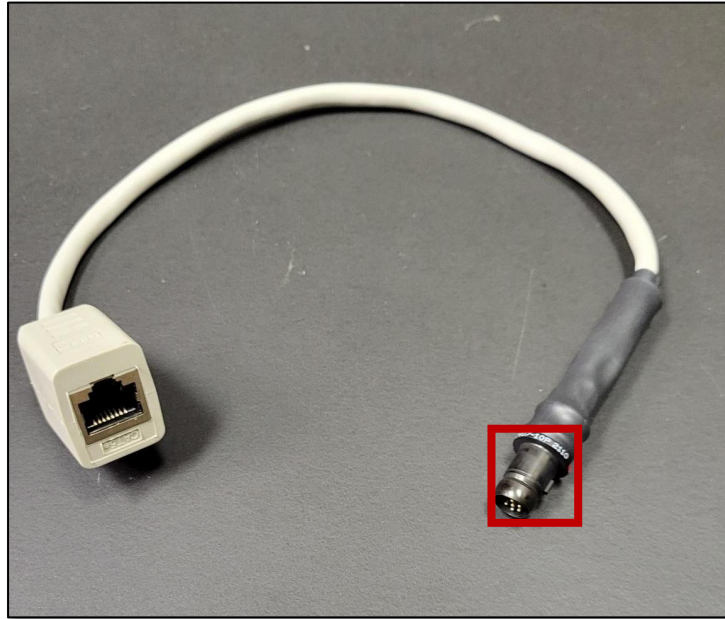


Step 3:

Connect the Ethernet Cable into the Ethernet Adapter.



Recon 5 Overwatch™ - Ethernet Setup cont.

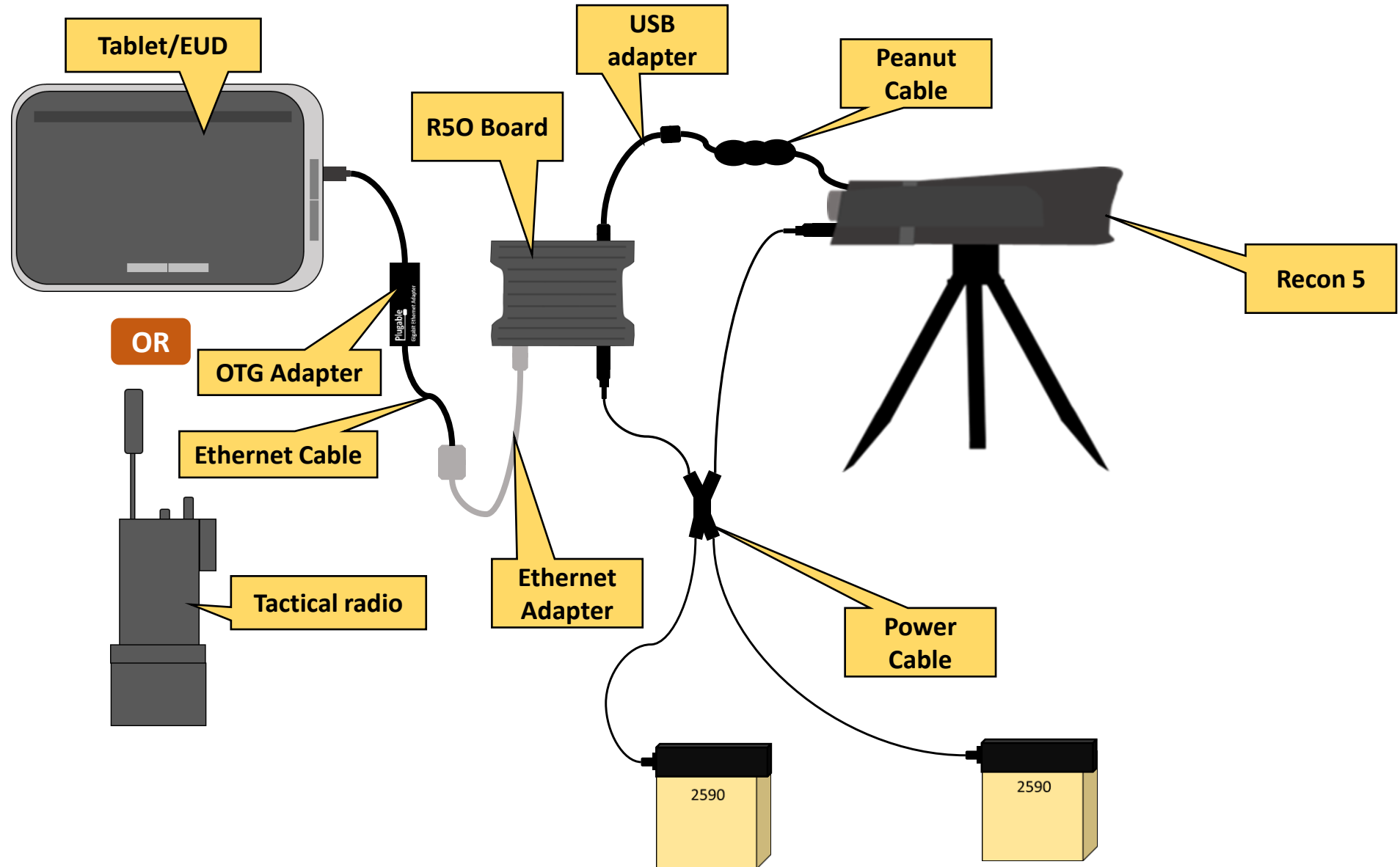


Step 4:

Connect the Ethernet adapter to the R5O board.



Recon 5 Overwatch™ - Complete Setup





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