

# HOST vs. SELECT Juggernaut.Cases™

The Juggernaut.Case™ is a ruggedized case for smartphones on the battlefield. We refer to the smartphone or tablet as an End User Device (EUD). The case connects internally to the EUD's USB connector and routes it out to a shielded, rugged, circular plug. Most often users are connecting to tactical radios like the PRC-154 or PRC-152A with an additional side connector. Other users are connecting to power managers, external batteries, hubs, or other proprietary systems. Our goal is to provide an intuitive warfighter interface and rugged connection to a secure tactical network and/or extended mission duration battery.

With the advent of USB On-The-Go, devices are able to act as either host or peripheral. On-The-Go uses an additional 5th circuit for ID as compared to the standard 4 circuit USB connector. Micro and Mini USB connectors have the ID circuit. When the ID circuit of the EUD is tied to ground, it will act as a host and when left open will act as peripheral. When the EUD is controlling other equipment like a radio (as in most field applications we've seen) it is the host. When syncing to a PC it is a peripheral.

The Juggernaut.Case comes in two cabled varieties, Select or Host. Simply put, Host ties the ID circuit to ground and does not carry the signal out to the circular plug. Select connects the ID circuit to the circular plug so that the device or cable that connects to the plug can be used to deal with ID as needed.

The advantage of Select is that our data/charge cable (JG.CBL.CHG.36A) allows you to charge the EUD or sync it to a PC without removing the EUD from the case. Keeping the EUD in the case prevents moisture or debris entering the case, scratching the screen and wear on the internal connector.

The advantage of Host is that it can connect to many radio side connectors with a straight-through extension cable such as (JG.CBL.EXT-001). Some EUD's will not take a charge in the Host case using the data/charge cable.

A host adapter (JG.ADP.HOST.01) is available that plugs onto the end of the circular plug and converts a Select case into a Host case. The adapter can be removed to allow charging and data transfer as a peripheral without removing the EUD from the case.

