

# BA-5590 Battery to 117G Radio Adapter

Tactical Support Equipment Inc. BA-5590 Battery to 117G Radio Adapters is designed to be used in the ruck, in a TOC or in a vehicle platform.

Having two power input receptacles and a built-in zero-wait switch, the 117G Radio Adapter can be connected to a variety of multiple power sources to include: BA-5590 or BB-2590 family of batteries, worldwide AC power and military vehicle power.

The internal zero-wait switch automatically switches between primary and auxiliary input power sources.

Having two BA-5590 cables allows users to hot swap batteries without taking the radio offline or out of the rucksack. When used with an external AC to DC Power Supply and an external BA-5590 connected, the unit acts as a Uninterrupted Power Supply for the 117G Radio.

The 117G Radio Adapter has an auxiliary power output port that can be used to power external devices such as loudspeakers, handheld radios and network devices. The aux power connector interfaces with standard speaker power cables from Harris.



**Part #: TSE-5590-ADP-117G** (Adapter, 2ea BA-xx90 Cables)

**Part #: TSE-5590-ADP-117G-1** (Adapter, 1ea BA-xx90 Cables, AC Power Supply)

**Part #: TSE-5590-ADP-117G-2** (Adapter, 1ea BA-xx90 Cables, Flying Lead Cable)

**Part #: TSE-5590-ADP-117G-3** (Adapter, 2ea BA-xx90 Cables, AC Power Supply, Flying Lead Cable)

**Available on GSA Schedule GS-35F-0039T**

**Tactical Support Equipment Inc.**  
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## Specifications (TSE-5590-ADP-117G)

<b>Radio Power Input Voltage</b>	BA-5590 or BB-2590 family of Batteries
<b>Main Power Input Voltage</b>	21-34 VDC
<b>Alternate Power Input Voltage</b>	21-34 VDC
<b>Alternate Power Output Voltage</b>	Same as Input Power
<b>Overcurrent Protection</b>	Circuit Breaker, 3.1A Max Combined
<b>Power Transfer</b>	Internal Zero-Wait Switch (Automatically switches between primary and auxiliary input power sources with no power loss to the 117G Radio.)
<b>Output Voltage</b>	9-17 VDC (12 VDC Nominal - Dependent on what type of battery used, BA-5590 or BB-2590 style batteries.)
<b>Output Current</b>	Limited by batteries internal fuse (Dependent on what type of battery used, BA-5590 or BB-2590 style batteries.)
<b>Case Material</b>	Anodized Aluminum Chassis and Cover
<b>Color</b>	Black
<b>Operating Temperature</b>	-20°C to +60°C
<b>Storage Temperature</b>	-40°C to +70°C
<b>Ingress Protection</b>	Weather Resistant, Sealed Case with Weather Resistant Caps for Receptacles
<b>Dimensions</b>	2.63" H x 7" W x 3.13" D
<b>Weight</b>	1.62 lb. (Approx.)
<b>Input Accessories</b>	BA-5590/BB-2590 Power Cable, AC to DC Power Supply, Flying Lead Cable *Custom cables to power other devices are available on request.

## Optional Accessories

Storage/Transportation Case

Auxiliary Handheld Radio Cable (Powers the MBITR, JEM and PRC-152 Radios)

Auxiliary Power Cable for Harris Tablet

Custom Cables to Power Other Devices

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Specifications subject to change without notice, the information in this document does not form part of any contract or quote.