PROVIDING COMMUNICATIONS SOLUTIONS FOR EXPEDITIONARY COMMAND POSTS AND TRAINING
The Solution for Dismounted Tactical Communications

Perkins Technical Services, Inc. is proud to support our troops by providing the ability to remove military radios from a vehicle and have them operational within minutes anywhere there is AC or DC power. Power Supply Docking Stations (PSDS) provide the warfighter with the ability to use military radios in fixed and semi-fixed environments without batteries or deadlined vehicles.

PTS PSDS are a cost efficient and lightweight solution for tactical operations centers and combat operation centers. PTS PSDS omit radio downtime and maintain constant communications while providing organization to the TOC/COC communications set-up.

Designed to meet differing deployment requirements, PTS offers 11 different systems supporting SINCGARS, Harris and Raytheon tactical radios. These systems support radio operations to deployed troops 24/7/365.

PTS has been providing PSDS systems to the Army, Marines, National Guard and Navy since 2001. Over 5,000 systems have been fielded worldwide. PSDS are built in the U.S.A.
Powering Military Radios

Traditional Method to Powering Radios:

<table>
<thead>
<tr>
<th>Speaker</th>
<th>Mounting Base</th>
<th>PA Mount</th>
<th>PSDS weigh 9-21 lbs, 4-9 kg</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cables</td>
<td>Vehicle Amplifier Adapter</td>
<td>Must locate an operational 24VDC power supply.</td>
<td>No assembly required, simply plug into the proper power source</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Communications are ready within minutes</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>PSDS have the option to be mounted into a 19 inch rack, allowing for organization and extra table space</td>
</tr>
</tbody>
</table>

PTS Solution:

- Assemblies occupy a substantial amount of space
- Valuable time is taken to assemble the equipment
- Heavy equipment must be removed from the vehicle

How it Works

Utilization of PSDS eliminates the requirement to deadline tactical vehicles by stripping communications mounting bases, cabling and speakers from the vehicles or to stock batteries and battery maintenance solutions for fixed site requirements.

PSDS are very easy to install. Simply mount the properly configured radio into the base, lock it down with the clamps, plug the PSDS into the power source and power on. The reliability of PSDS makes them highly sought after by the user.
PSDS

SINCGARS

AS0004-SR-4A
OD NSN 6130-01-578-4483
Tan NSN 6130-01-577-7393
Docking for two RT-1523 (E/F/G) (ASIP)
Docking for two AM-7238B RFPAs
Two DC voltage inputs 22-32 VDC
Dimensions: (d) 13.1" x (h) 12.9" x (w) 17.5"
Weight: 20.1 lbs

AS0004-SR-4
OD NSN 6130-01-618-9824
Docking for two RT-1523 (E/F/G) (ASIP)
Docking for two AM-7238B RFPAs
Dimensions: (d) 13.1" x (h) 12.9" x (w) 17.5"
Weight: 19.1 lbs

AS0003-SR-3A
OD NSN 6130-01-581-7051
Docking for one RT-1523 (A-G) (ASIP)
Docking for one AM-7238B RFPAs
Dimensions: (d) 12.6" x (h) 8.6" x (w) 13.6"
Weight: 10 lbs

Harris

AS0117-HR-117G-MPD (Manpack Dual)
Docking for two AN/PRC-117G
Includes 2 PTS-H-0003J cables
Dimensions: (d) 12.5" x (h) 9.9" x (w) 15.8"
Weight: 16 lbs

AS0117-HR-117G-MP (Manpack Single)
Docking for one AN/PRC-117G
Includes 1 PTS-H-0003J cable
Dimensions: (d) 11.9" x (h) 8.4" x (w) 11.5"
Weight: 9.1 lbs

This document contains information that is subject to the controls defined in the International Traffic in Arms Regulations (ITAR). This information shall not be provided to non-U.S. persons or transferred by any means to any location outside of the United States without advance approval of the United States Department of State.
AS0117-HR-117G/1523
Docking for one RT-1523 (E-G) (ASIP)
Docking for one AN/PRC-117G
Docking for one AM-7238B RFPA
Includes one PTS-H-0003J cable
* Unit powers a variety of radio accessories
Dimensions: (d) 13.1” x (h) 13.7” x (w) 17.6”
Weight: 20.1 lbs

AS0117-HR-117G/152
Utilizing the Vehicle Mount:
Docking for one or two AN/PRC-117G
Docking for one or two AN/PRC-152
Docking for one AN/PRC-117G and one AN/PRC-152
Includes 2 PTS-H-0003J cables
Dimensions: (d) 14” x (h) 9.4” x (w) 17.5”
Weight: 18.1 lbs

AS0117-HR-117F
Docking for one AN/PRC-117F
Three terminal lugs
Includes 1 PTS-H-0003J cable
Dimensions: (d) 13.3” x (h) 9.9” x (w) 15”
Weight: 15.1 lbs

AS0150-HR-150
Docking for one AN/PRC-150
Includes 1 PTS-H-0003J cable
Dimensions: (d) 11.4” x (h) 8.3” x (w) 11.5”
Weight: 9.2 lbs

AS0005-RR-PSC-5
Docking for one AN/PSC-5 (C-D)
Dimensions: (d) 10.9” x (h) 8.3” x (w) 11.5”
Weight: 9 lbs

This document contains information that is subject to the controls defined in the International Traffic in Arms Regulations (ITAR). This information shall not be provided to non-U.S. persons or transferred by any means to any location outside of the United States without advance approval of the United States Department of State.
PSDS Features

> Provides immediate AC power to tactical radios
> Readiness level TRL-9
> Eliminates deadlined vehicles
> Lightweight (9-21 lbs.)
> Maintains 24/7/365 radio operations
> Small logistical footprint
> Worldwide AC voltage input: 85 to 260 VAC
> Worldwide frequency input: 47 to 440 Hz
> Automatic voltage and frequency selection worldwide
> 22-32 VCD input (on SR-4A only)
> Built-in power surge protection
> Environmental operating range:
  > Temperature: -30º C to 50º C
  > Relative Humidity: 5% to 95%
> High fidelity built in speaker
> Remote LS-671 connectivity
> LED indicator for active NET
> Rugged, self-contained system packaged in mil-spec transit case
> Improves efficiency, reduces costs
> 5,000 systems fielded with annualized failure rate of 0.05%

*HR-117G/1523 shown with AN/PRC-117G, SINCGARS RT-1523, RFPA, external speakers and hand sets*
Users and Applications of Power Supply Docking Stations

Users

- Infantry
- Field Artillery
- Military Police
- Engineer Units
- Hospitals
- Aviation
- Ground Launch Radar Systems
- Large Integrators
- Development Labs
- Repair and Test Facilities
- Transportation Units
- Homeland and EMA Centers

Radio Operation Applications

- Command Posts (101st, 82nd, 2nd ID, PM CP)
- Tactical Operations Centers (4th ID, 25th ID)
- Remote Radar Operations (Firefinder)
- Hospital to Ambulance Comms (2nd Med Brigade)
- Range Control (YPG, WSMR, RTTC)
- Radio Training (Ft. Irwin, Ft. Polk, Ft. Gordon)
- Large Combat Training Systems (HITS)
- Radio Testing and Repair (OKNG, ORNG)
- Systems Software Developers (SED-Redstone)
- Physical Security (Ft. Sill Gate Comms)
- Military Police (42nd Military Police)
- Transportation Communications (25th ID)
- Disaster Communications (FLNG, MSNG, TNNG)
- Construction Activity (249th Engineer BTN)

PSDS users include the US Army, Navy and USMC. They are spread across almost every specialty and include Active, Reserve and National Guard components. PSDS systems are procured via DLA, Major Contract Holders, System Integrators, GSA and direct contracts. PSDS systems are fielded worldwide in austere and garrison environments.