Command-Runner™
PodRunner® User Manual

Drafted for New Orleans Sewer & Water

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PodRunner® by Rescue 42, Inc.
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STOP!

READ THESE WARNINGS BEFORE USING COMMAND-RUNNER™

Failure to follow these instructions or heed these warnings may cause damage to the PodRunner® unit, your vehicle or other property, cause bodily injury or death, and void your warranty.

- **Always** make sure that all components mounted on the lid are secure. Straps should be inspected frequently for proper tension and wear. Replace straps immediately if damaged.
- **Always** remove antennas when transporting your PodRunner®. Failure to do so can cause damage to the antennas and bulkhead fitting, or result in injury.
- **Always** make sure that both lid hooks are fully engaged prior to transporting.
- **Never** use the desk top as a step or seat. Damage to the Pod or injury could occur.
- **Always** refer to the PodRunner® Owner's Manual for questions related to mounting and use of your PodRunner® system.

System Set Up

All system components have been tested for functionality, however, due to regional differences and personal preference your Command-Runner™ will require an initial set up specific to your site. During the initial set up, we recommend plugging the system into an external 110v power source via the shore outlet located on the outside upper left corner of your workstation. Flip the main lighted power rocker switch located in the upper left corner of the workstation into the "on" position.

Power Control Module

The onboard Power Control Module (PCM) is a full-featured power distribution unit. On the front panel you will find a master power switch, overhead lighting switches, and a digital voltmeter. Inside the unit there is a 60A battery conditioner and charger, a 600-watt pure sine wave inverter, AC power outlets, and fused DC power distribution.

The main power switch controls all peripheral devices such as power relays and lighting; however, even in the off position you are able to charge the batteries via the enclosures shore inlet. Other switches on the front panel are for the overhead LED lighting (one for the center light, and one for the outer two lights for complete lighting control), an inverter power switch allowing the system to run just DC power.

Battery Condition & Charger

The battery conditioner and charger is considered a smart device. It will not overcharge the onboard battery, and when the battery reaches full capacity it will enter 'Storage Mode'. This mode will keep the battery at a safe full charge without gassing or water loss, and does brief periods or higher voltage to prevent battery stratification.

The battery conditioner will also act as a 60A power supply even if there is no battery connected. This is a backup feature than can be used your battery is dead/dying and needs to be removed from the system without an immediate replacement.

Pure Sine Inverter

Onboard AC power is supplied via a 600W continuous, pure sine wave inverter located inside the PCM. The importance of the pure sine is to ensure smooth power for all sensitive equipment. The inverter is controlled by the master power switch and additional inverter power switch. Upon shutdown of the either switch you will hear a buzz from the inverter indicating a low-voltage, this is normal and will quickly fade after a second or two.

Digital Voltmeter

The voltmeter on the front of the PCM is to be used to check the battery health. It is recommended to check the battery voltage and charge via the shore inlet at least once a month. To get an accurate reading you must disconnect all loads from the unit, primarily the inverter. This can be done by turning off the inverter power switch on the front of the PCM. Ensure all other DC devices are off. Use the following chart to check the status of your batteries:

% Charge	Voltage
100	12.8+
75	12.6
50	12.3
25	12.0
0	11.8

Please note, these are battery voltages in an unloaded state.
Battery voltage reading will vary with load.

Power Access

DC and AC power access points are located inside the PCM. To connect a DC device, use the fuse block in the back right behind the inverter, and the ground bar. Install a properly rated fuse for the circuit of standard ATO or ATC type. Do NOT exceed 30 amps per circuit. This fuse block is controlled via the master power switch. For additional AC outlets check the inverter or the rack mount power strip located on the rear rack behind the power accessory strip.

Battery

The onboard battery is a Duracell® 80AH Sealed Deep-Cycle AGM type battery. These batteries allow for 50 to 150 cycles at 100% discharge w/ minimal to no effect on charge capacity. Being a sealed battery means no maintenance is required, apart from keeping the battery in a healthy charged state to increase its lifespan.

Charging the Battery

It is best to leave the lid open during any charging process to allow adequate cooling and ventilation.

Shore charging refers to plugging your workstation into an external 110v power source via the shore connector. We recommend a grounded heavy duty power cord of no less than 14 gauge and rated for outdoor use. Verify that the female end will fit inside the Shore connector housing. To charge the battery, simply plug the female end into the shore connector. The battery conditioner will recharge the battery whether the main power switch is in the on or off position. The conditioner is a smart device, so if power is left plugged in for extended periods of time, no damage will occur due to over-charging. During this process heat will be generated in the area of the PCM. Do not cover this area during the charging process!

There is an inlet circuit breaker rated at 15 amps located on the left outside wall of the PCM. Ensure this has not been tripped if the output voltage is less than 13VDC when connected to shore power.

Replacing the Battery (Generator Mount)

Over time the battery will develop a diminished storage capacity or experience complete failure. When this occurs, you will need to replace the battery in your Command-Runner™. We recommend that you reinstall the same battery model if available. If a direct replacement is not available, the replacement battery **must have** the same dimensions to fit in the battery tray **and** lifting handles or damage to the Command-Runner or injury could occur. Future

removal of a battery without lifting handles will be extremely difficult due to the weight of the battery and limited space within the compartment.

This procedure should not be attempted by anyone that cannot safely lift over 50 pounds.

Start by ensuring the system is powered down and the master power switch is turned off. To access the battery, you will be required to remove the cabinet door, shelf and battery shield from the left rack. This is a simple procedure which requires only a 4-mm hex wrench.

The next step will be to disconnect the cables to the battery. You must remove the black ground cable first to prevent potential arcing. Disconnect the battery positive cable and tuck the cables out of the way. Remove the battery straps by depressing the tabs on the sides of the quick disconnect buckles.

Before lifting the battery out of the box, check to make certain no computer, radio, or power leads will be smashed or pulled during the removal process.

The battery you are about to remove is extremely heavy. If you do not feel that you can safely remove the battery without risking injury to yourself or damage to the equipment, please do not attempt this.

Grab the lifting handle attached to the battery top and lift the battery up out of the battery box. After the battery has cleared the battery box, tilt it forward and **carefully** lift it out of the workstation and place on the ground, a work bench, table, etc. **Do not** place the battery on the desk top without desk support legs deployed. Please recycle the battery per your local agency disposal regulations.

Before installing a new battery please check the ring terminals on both the positive (+) and negative (-) cables for corrosion and clean with a wire brush if necessary. Battery installation is completed by reversing the above procedures.

Power Strip

Our custom power accessory strips offer a plethora of device to be powered quickly and easily. An automotive 'cigarette lighter' port is available for devices up to 10 amps. Additional AC outlets are labeled whether they are powered via the onboard pure sine wave inverter, or a straight pass-through from the shore inlet. The USB power outlet is rated at 2.1 amps for a single device, and 1 amp if both ports on the same USB device are used. Fuses for the DC components are located inside the power control module.

Desk Stabilizers

The telescoping desk stabilizers are to be used anytime excessive loads or extended periods of Command-Runner™ deployment. The dampers are not rated for load and are used to slow the door from falling open only!

To deploy the stabilizers, pull the rotation pin located in the aluminum bracket, rotate the leg into downward position and re-pin. Remove the telescoping pin and extend leg to ground level and re-pin. The threaded swivel foot can be used to account for unlevel ground between telescoping holes. Alternatively, you can use the scissor of the Runner to account for this change. Repeat to the other side.

To store the stabilizers, reverse the order of the above steps.

Custom Components

The following items are specific to your order:

Rack Mount Computer

Your onboard rack mount computer has been preloaded with Windows and is ready for use immediately. Please consult your IT staff for further setup and any specific configuration that may be needed such as networking and security. The computer specifications are:

Core i3-7100, 8GB DDR4 Ram, 256GB SSD main drive, 2TB storage hard drive, and a GT730 2GB video card.

The keyboard and mouse are a wireless long battery life style for maximum versatility and dependability.

HDMI Matrix Switch & Lid Monitors

The lid monitors are controlled via the buttons on the lower right behind the display.

Both monitors are connected to the matrix switch outputs, allowing any device plugged in the accessory panel HDMI ports to be displayed on either monitor or both simultaneously. The computer has two inputs into the switch allowing the second monitor to be used an extension of the first. All inputs are labeled, simply select which input the output monitor shall display by pressing the output button until the desired input is lit.

Pepwave Wireless Router

The onboard router is powered and ready for quick setup. To install the necessary SIM card for LTE service, simply remove the SIM card cover on the rear of the unit accessible through the rear door. Install the SIM card and replace cover.

For more information on setup and networking please consult the Pepwave's Owner Manual available at www.peplink.com.

The antenna for the router is an all-in-one style located on the front edge of the lid, so when the Command-Runner™ is deployed the antenna reaches an elevated ground plane for maximum reception. No setup is required as the unit is self-contained and ready for immediate deployment. The antenna contains 3 Wi-Fi antennas (two for the rack mount computer, and one for the Pepwave), two LTE antennas, and a GPS antenna.

Cisco Telephony Gateway

The Cisco telephone gateway has up to eight available ports for POTS devices to be connected. Four are easily accessed via the patch panel. A service plan is required to operate these lines, please consult your preferred VoIP provider for service and device setup.

Yamaha EF2000iS Generator

The onboard generator has been prefilled with the manufacture recommended oil and is ready to run just by filling with gasoline. Always do a thorough check of fluids prior to operating generator. **Never run the generator inside the Command-Runner™ storage compartment!** For more information and maintenance schedule please consult the manufacturers owner manual included with the generator.

Troubleshooting

Workstation components will not power on.

No power to lights, switches or other components

1. Power unit with external power source (110v outlet) to see if the battery is depleted.
2. Check in-line fuse powering master power switch. (7.5 Amp)
3. Check main in-line fuse next to battery. (125 Amp)

No power to 110V outlets or devices

1. Check reset button on the rack mount power strip behind the lower right radio unit.
2. Reset the power inverter located in the power control module.
3. Check DC connections on inverter.
4. Check inverter fuse located in PCM.

External 110V outlet not charging system

1. Check the power supply cord for damage and power.
2. Check source power outlet for power.
3. Check circuit breaker on back left side power control module.
4. Check for loose connections from shore inlet to battery conditioner.
5. Refer to battery conditioning manual and contact manufacturer.

Monitor not turning on or displaying computer output

1. Ensure the monitor is powered on.
2. Check power cord going into monitor.
3. Check video cable has not loosed, at monitor end and behind computer.

For other issues please contact us.

Warranty

We warranty this product to the original purchaser to be free from defect in materials and workmanship for one year from the date of purchase. Please note that all warranty claims must be accompanied by an original proof of purchase in the form of a purchase receipt or invoice and a written detailed description of the defect. Any product or part found to be defective within that period will be replaced without charge provided that: (1) the product was not misused or overloaded; (2) no alterations or modifications were made; (3) its failure resulted from a defect in material or workmanship and not from normal wear expected in the use of this product; (4) the product or part is delivered, freight prepaid to Rescue 42, Inc. Please contact Rescue 42, Inc. at (888) 427-3728 / (530) 891-3473 to get a return authorization number prior to return. Manufacturers only obligation shall be to replace such products or parts proved to be defective.

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(Contact Rescue 42, Inc. for a Physical/Shipping Address)

No warranty is given for PodRunner® products outside of the United States and Canada.

This warranty is expressly made in lieu of any and all other warranties, express or implied, including the warranties of merchantability and fitness for a particular purpose. Rescue 42's sole liability to any purchaser is limited to the remedy set forth above. In no event will Rescue 42 be liable for any lost profits, lost sales or for any consequential, direct, indirect, incidental, special or exemplary or punitive damages or for any other damages of any kind or nature.

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