

Crestron **WPR-DS**
Docking Station for WPR-48

Operations Guide



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Docking Station for WPR-48: WPR-DS

Introduction

Functions and Features

The Crestron® WPR-DS docking station is a companion product for the Crestron WPR-48 waterproof wireless handheld remote. The WPR-DS is also available in an international version, the WPRI-DS. All features are identical with the exception of the supplied power pack (PWI-1210) for the international version. Refer to “Power Source” on page 4 for more information.

NOTE: For simplicity, information in this guide applies to both the WPR-DS and the WPRI-DS, except where noted.

The WPR-DS functions primarily as a charging station for the WPR-48’s built-in lithium-ion battery. Recharge of the WPR-48 battery takes up to 1.5 hours. As long as the contacts of the WPR-48 and the WPR-DS remain together, the WPR-DS “trickle charges” the WPR-48 in an attempt to maintain the handheld remote at full charge for optimum performance. The duration of a “trickle charge” is continuous as long as the WPR-48 is not fully charged.

The WPR-DS also functions as an interface to a PC via the RS-232 port, for uploading of new firmware and configuring the WPR-48.

Functional Summary

- Fast charge of lithium-ion battery
- Connects to PC via RS-232
- Enables upload of new firmware and configuring the WPR-48

Specifications

The following table provides specifications for the WPR-DS.

Specifications for the WPR-DS

SPECIFICATION	DETAILS
Power Requirements	0.5A @ 12 VDC external power pack (PW-1205 supplied with WPR-DS) or 0.5A @ 12 VDC external power pack (PWI-1210 supplied with WPRI-DS)
Dimensions and weight	
Height	1.27 in (3.23 cm)
Width	3.29 in (8.36 cm)
Depth	5.08 in (12.90 cm)
Weight	8.3 oz (232.4 gm)

Physical Description

The WPR-DS, shown below and on the next page, is constructed of blue high-impact -plastic with labeling on the front and rear surfaces. Three LEDs on the front panel indicate the unit’s status. The cavity accommodates the WPR-48 wireless handheld remote. Power and RS-232 communication are connected at the rear of the unit. Four rubber feet on the base of the WPR-DS provide stability and prevent slippage while on a flat surface.

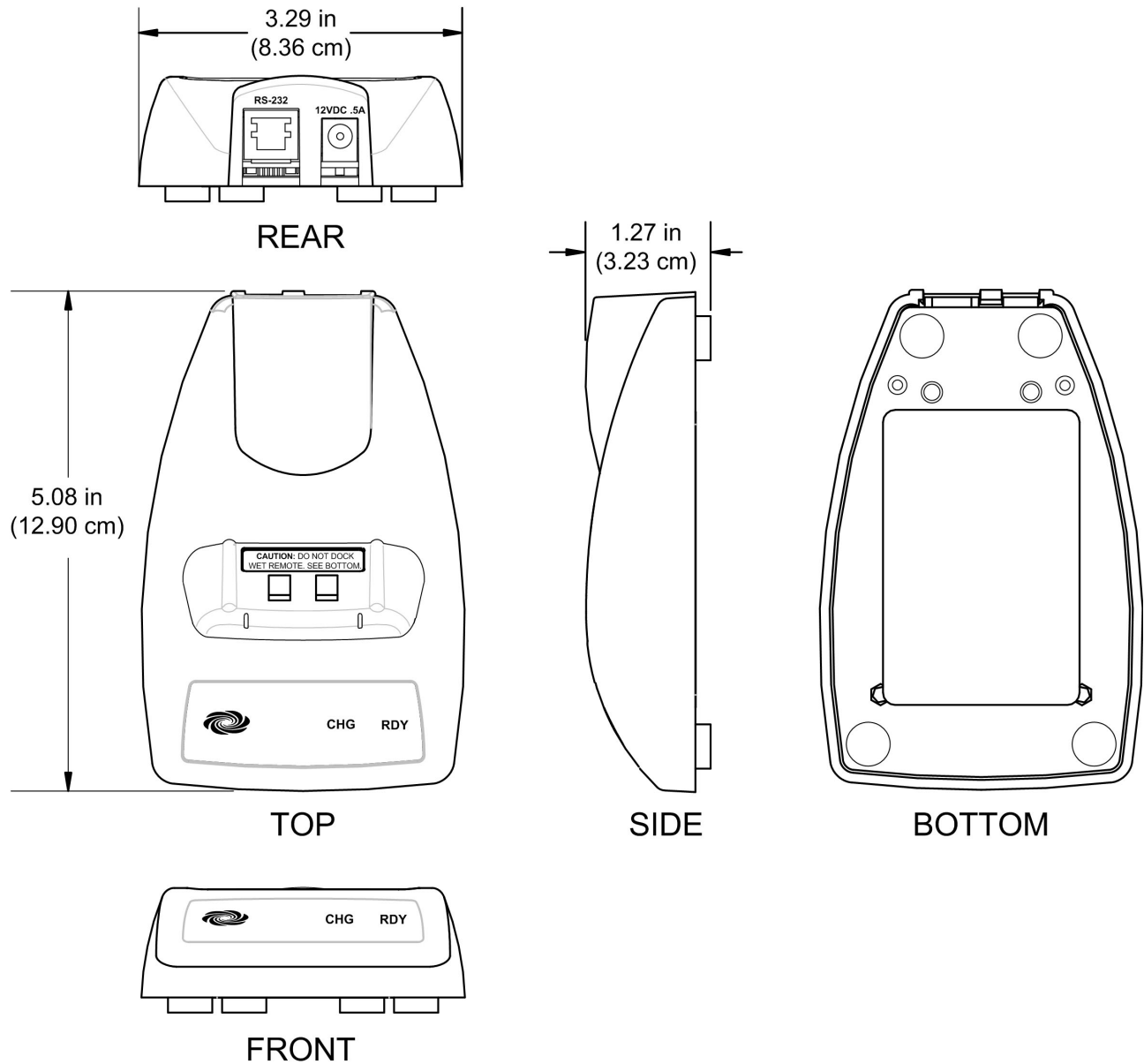
CAUTION: Do not place a wet remote or liquids in the docking cavity.

A label in the cavity and a statement on the product label on the bottom of the unit notify the user not to place metal objects, a wet remote, or liquids in the docking cavity to prevent damage to the docking station and to the wireless remote.

WPR-DS Docking Station with WPR-48 Docked



Physical View



Ports

12 VDC .5A (DC Power Connector) Port

This port supplies power via the PW-1205 (110v USA and Canada) or PWI-1210 (220v International) external power pack supplied with the docking station.

RS-232

This port provides serial interface between the WPR-DS and the PC.

Indicators



Illuminates green when 12 VDC power is provided to the WPR-DS via the external power pack.

CHG (Charge)

Illuminates (red) when a WPR-48 is inserted in the WPR-DS cavity and their contacts meet. The LED remains ON while the rechargeable battery is charging.

Recharge of the WPR-48 battery takes up to 1.5 hours. As long as the contacts of the WPR-48 and the WPR-DS remain together, the WPR-DS “trickle charges” the WPR-48 in an attempt to maintain the handheld remote at full charge for optimum performance. The duration of a “trickle charge” is continuous as long as the WPR-48 is not fully charged.

RDY (Ready)

Illuminates (red) when the WPR-48 in the charging cavity is fully charged.

Industry Compliance

As of the date of manufacture, this unit has been tested and found to comply with specifications for CE marking and standards per EMC and Radiocommunications Compliance Labelling (N11785)



NOTE: This device complies with part 15 of the FCC rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Setup

Power Source

CAUTION: Use only Crestron power supplies for Crestron equipment. Failure to do so could cause equipment damage or void the Crestron warranty.

The DC power socket connector on the rear of the unit is used to supply power via the PW-1205 (110V USA and Canada) or PWI-1210 (230V International) external power pack supplied with the docking station.

Power Pack Specifications

CRESTRON POWER PACK	INPUT SPECS	OUTPUT SPECS
PW-1205	120 VAC, 60 Hz	12 VDC, 0.5 A
PWI-1210	230 VAC, 50 Hz, 110 ma	12 VDC, 1.0 A, 12 VA

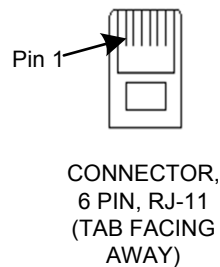
Power Pack Polarity



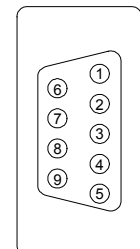
Docking Station to PC Serial Communication

Use an RS-232 cable (RJ-11 – DB-9, such as the Crestron STCP-502 (not supplied) to connect the WPR-DS to the serial port of the PC. This connection can also be made with a modular RJ-11 cable and a DB9F to RJ-11 adapter. (Refer to the following illustration.)

STCP-502 PINOUT



RJ-11 PINS	SIGNAL	DB9 PINS
1	CTS	7
2	G	5
3	Rx	3
4	Tx	2
5	RTS	8
6		n/c



CONNECTOR, DB9, FEMALE (REAR VIEW)

Problem Solving

Troubleshooting

The table below provides corrective action for possible trouble situations. If further assistance is required, please contact a Crestron customer service representative.

WPR-DS Troubleshooting

TROUBLE	POSSIBLE CAUSE(S)	CORRECTIVE ACTION
Green power LED (Swirl Logo) does not illuminate.	WPR-DS is not receiving power.	Confirm that power pack is plugged into outlet, and connector is plugged into the WPR-DS power input port.
	Power pack not functioning	Verify output (12 VDC minimum). Replace power pack if necessary.
Power LED illuminates, but battery does not charge.	Incorrect power pack being used.	Verify that the power pack is correct - PW-1205 (120 VAC) or PWI-1210 (230 VAC).

Further Inquiries

If, after reviewing this Operations Guide, you cannot locate specific information or have questions, please take advantage of Crestron's award winning customer service team in your area. Dial one of the following numbers.

- In the US and Canada, call Crestron's corporate headquarters at 1-888-CRESTRON [1-888-273-7876].
- In Europe, call Crestron International at +32-15-50-99-50.
- In Asia, call Crestron Asia at +852-2341-2016.
- In Latin America, call Crestron Latin America at +5255-5093-2160.
- In Australia and New Zealand, call Crestron Control Solutions at +61-2-9737-8203.

You can also log onto the online help section of the Crestron website (www.crestron.com) to ask questions about Crestron products. First-time users will need to establish a user account to fully benefit from all available features.

Future Updates

As Crestron improves functions, adds new features, and extends the capabilities of the WPR-DS, additional information and programming examples may be made available as manual updates. These updates are solely electronic and serve as intermediary supplements prior to the release of a complete technical documentation revision.

Check the Crestron website (www.crestron.com) periodically for manual update availability and its relevance. Updates are available from the Downloads | Product Manuals section and are identified as an “Addendum” in the Download column.

Return and Warranty Policies

Merchandise Returns / Repair Service

1. No merchandise may be returned for credit, exchange, or service without prior authorization from CRESTRON. To obtain warranty service for CRESTRON products, contact the factory and request an RMA (Return Merchandise Authorization) number. Enclose a note specifying the nature of the problem, name and phone number of contact person, RMA number, and return address.
2. Products may be returned for credit, exchange, or service with a CRESTRON Return Merchandise Authorization (RMA) number. Authorized returns must be shipped freight prepaid to CRESTRON, 6 Volvo Drive, Rockleigh, N.J., or its authorized subsidiaries, with RMA number clearly marked on the outside of all cartons. Shipments arriving freight collect or without an RMA number shall be subject to refusal. CRESTRON reserves the right in its sole and absolute discretion to charge a 15% restocking fee, plus shipping costs, on any products returned with an RMA.
3. Return freight charges following repair of items under warranty shall be paid by CRESTRON, shipping by standard ground carrier. In the event repairs are found to be non-warranty, return freight costs shall be paid by the purchaser.

CRESTRON Limited Warranty

CRESTRON ELECTRONICS, Inc. warrants its products to be free from manufacturing defects in materials and workmanship under normal use for a period of three (3) years from the date of purchase from CRESTRON, with the following exceptions: disk drives and any other moving or rotating mechanical parts, pan/tilt heads and power supplies are covered for a period of one (1) year; touchscreen display and overlay components are covered for 90 days; batteries and incandescent lamps are not covered.

This warranty extends to products purchased directly from CRESTRON or an authorized CRESTRON dealer. Purchasers should inquire of the dealer regarding the nature and extent of the dealer's warranty, if any.

CRESTRON shall not be liable to honor the terms of this warranty if the product has been used in any application other than that for which it was intended, or if it has been subjected to misuse, accidental damage, modification, or improper installation procedures. Furthermore, this warranty does not cover any product that has had the serial number altered, defaced, or removed.

This warranty shall be the sole and exclusive remedy to the original purchaser. In no event shall CRESTRON be liable for incidental or consequential damages of any kind (property or economic damages inclusive) arising from the sale or use of this equipment. CRESTRON is not liable for any claim made by a third party or made by the purchaser for a third party.

CRESTRON shall, at its option, repair or replace any product found defective, without charge for parts or labor. Repaired or replaced equipment and parts supplied under this warranty shall be covered only by the unexpired portion of the warranty.

Except as expressly set forth in this warranty, CRESTRON makes no other warranties, expressed or implied, nor authorizes any other party to offer any warranty, including any implied warranties of merchantability or fitness for a particular purpose. Any implied warranties that may be imposed by law are limited to the terms of this limited warranty. This warranty statement supercedes all previous warranties.

Trademark Information

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Specifications subject to
change without notice.