

# ***RAPID DEPLOYMENT PORTABLE REPEATER***



**A Whole New RELM of Possibilities**



New York City Blackout, August 2003



Ice Storm in Northeast United States, December 2008



New Orleans after Hurricane Katrina, August 2005



- ✓ Emergency Communications in Minutes
- ✓ Cross Mode/Band/Protocol/Domain
- ✓ High Power 45 Watt Option
- ✓ External Battery System Option
- ✓ Solar Power Option
- ✓ Compatible with Competitor Portables
- ✓ Linked Repeater Option
- ✓ Mobile Repeater Option



## PLUG AND PLAY

When all communications are down, the RDPR is the only way to go. Built to withstand the harshest environments, the RDPR is always on standby and ready to communicate. The options, versatility, and ease of use of this unit are unmatched by any competitor. The RDPR is essential in every public safety agency, especially those which suffer from natural disasters. When Plan A fails, Plan B is the RDPR.



## RAPID DEPLOYMENT PORTABLE REPEATER

The Rapid Deployment Portable Repeater (RDPR) is designed to extend range and to facilitate interoperability with other radio platforms used by Public Safety and Military personnel. Mounted in a small, mobile and durable pelican case, the repeater is man portable or can be mounted in a vehicle. The RDPR connects any two radios to double their effective range, or up to three different types to function as a Translator.

## FEATURES

### Cross Mode (Analog - Digital)

The RDPR can be equipped to offer cross mode operation. Simply by placing one analog and one digital portable into the unit allows the RDPR to transmit from analog - digital and vice versa.

### Cross Band (HF/VHF/UHF, 700/800 MHz)

Any which way you want it. The RDPR offers true interoperability when you need it most.

### Cross Protocol (Conventional - Trunking)

The versatility of the RDPR is unmatched. Communicate conventional - trunked and vice versa with this portable unit.

### Cross Domain (TYPE II to TYPE III Encryption)

If secure communications is what you demand, then the RDPR is your solution. Equipped your RDPR with encrypted radios and communicate in minutes.





"U.S. Soldiers in the Middle East call it the Roof Top Repeater."

## ACCESSORIES AND OPTIONS

### FOLDABLE SOLAR PANEL (20W, 60W, 90W)

The RDPR can be a self contained unit, endlessly powering and recharging itself (weather permitting). Choose from one of our four solar panel options: 20 Watt Solar Panel (SP20WRDPR), 20 Watt Foldable (SP20WRDPR-F), 60 Watt Foldable Panel (SP60WRDPR-F), or 90 Watt Foldable Panel (SP90WRDPR-F).

### DUPLEXER

For versatility and compatibility, the RDPR is offered with many types of internal duplexers, depending on frequencies and wattage. The duplexer allows you to transmit and receive using the same antenna.

### INTERFACE KITS

RELM Wireless understands compatibility and interoperability, which is why we offer many interface kits to equip the unit with a RELM portable of your choice. We also offer interface kits for competitor radios if your area deems it necessary.

### CARRYING CASES (RDRCC, RDRRCC)

Carry your RDPR and accessories in a portable carrying case with 12 specially designed slots to hold your portable radios (RDRCC). We also offer a larger carrying case (RDRRCC) specially designed to hold your RDPR and it's accessories, such as the solar panel, tripod, cables, etc. This case is durable, portable, and very popular with the US Military.

### INCIDENT COMMAND KIT

In emergency situations when communications are down, the Incident Command Kit is an easy solution to launch portable communications on the fly. This kit includes 12 portable radios (of your choice, pricing varies), compatible speaker microphones, clamshell battery pack with a full bundle of rechargeable AA batteries, an RDPR equipped with radios of your choice, two carrying cases (RDRCC, RDRRCC), and one solar panel of choice, making this kit one of a kind for essential communications in extreme conditions.

### EXTERNAL BATTERY (EBS-RDPR)

When the power is out and communications are down, the EBS (External Battery System) can power your essential equipment. With a Li-ion 40 Ah battery, the EBS is fitted with several connection types for various electronics, such as USB and cigarette lighter inserts. Together with a solar panel and cigarette lighter adapter, you can power-up virtually any electronic device for endless power (weather permitting).

### HIGH POWER - 45 WATT (RDPRHP)

Get more out of your RDPR with the High Power Option, boosting the unit to 45 Watts of RF Output. This option allows for increased range and is frequency specific as it includes an amplifier.

<b>Specification</b>	<b>Rapid Deployment Portable Repeater</b>
Dimensions	6.6 in. x 16.2 in. x 12.7 in.
Weight	17 lbs.
Operating Voltage	12 Volts DC, AC, and solar
Internal Battery	1 @ 7 Ah, SLA
Operating Temperature	- 8° F to +151° F (-30° C to + 60° C)
Battery Life @ Full Charge	12 Hours @ 30% Duty Cycle

Listed specifications are for basic RDPR settings, features, and hardware.

## **BUTTONS AND FUNCTIONS**

