RAPID DEPLOYMENT PORTABLE REPEATER (RDPR)
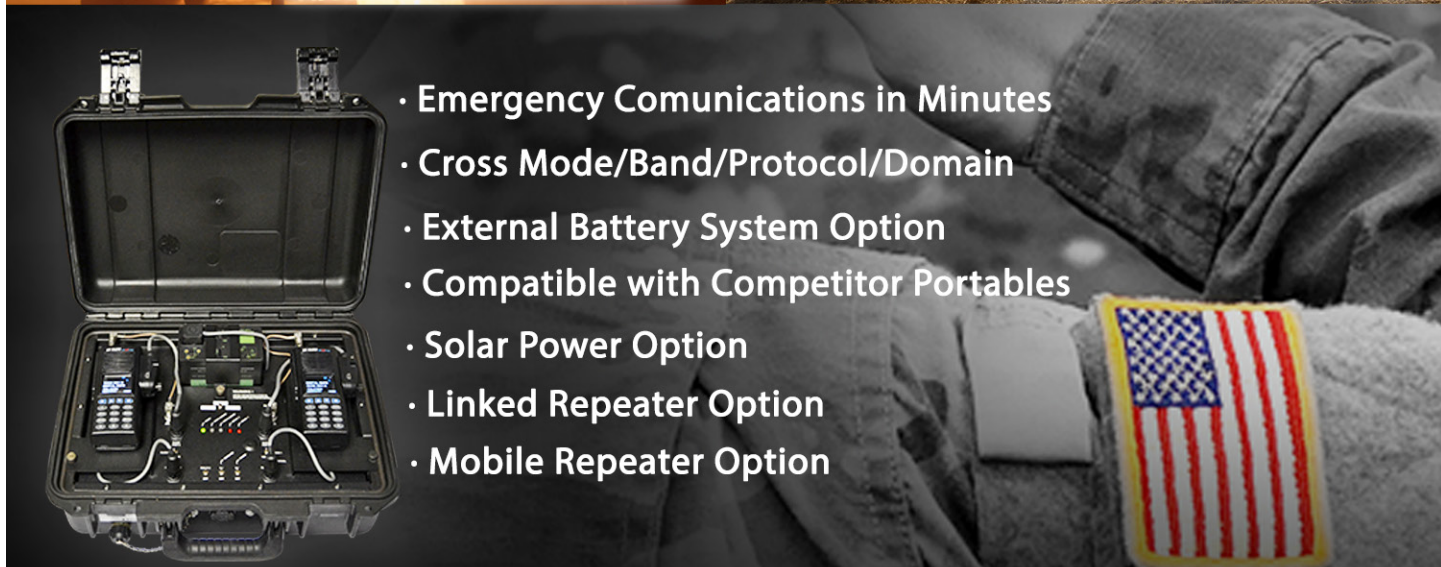
BK®
TECHNOLOGIES

Tenacious Committment To Quality

P25 DIGITAL WIRELESS • SANS FIL NUMERIQUE • INALAMBRICO DIGITAL

Structural Fire

Wildland Fire

- Emergency Comunications in Minutes
- Cross Mode/Band/Protocol/Domain
- External Battery System Option
- Compatible with Competitor Portables
- Solar Power Option
- Linked Repeater Option
- Mobile Repeater Option

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PLUG AND PLAY

When all communcations 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, especailly those which suffe from natural disasters. When Plan A fails, Plan B is the RDPR.

RAPID DEPLOYMENT PORTABLE REPEATER

The Rapid Deployment Portable Repeater (RDPR- 00M) 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 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.

"Roof Top Portable Repeater and others call it the Magic Box"

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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 the most.

Cross Protocol (Conventional - Trunking)
The versatility of the RDPR is unmatched. Communicate conventional - trunked and vice versa with this portable unit.

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 three solar panel options: 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. (4.5 MHz to 9 MHz separation required).

INTERFACE KITS

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

CARRYING CASES (RDRCC, RDRRCC)

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. Carry your RDPR and accessories in a portable carrying case with 12 specially designed slots to hold your portable radios (RDRCC).

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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.

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.

SPECIFICATIONS	Rapid Deployment Portable Repeater
Dimensions	6.6 in. x 16.2 in. x 12.7 in.
Weight	17 lbs.
Operating Voltage	(120-240 Volt AC), DC and Solar Power
Operating Temperature	- 86° F to + 140° F (-30° C to + 60° C)

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

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RDPR-00UM OPTION TREE

INCLUDED:	
1. 7001-30982-101	Manual, Operator's, RDPR-00UM
2. WCRDPRUM	Charger, Wall, 19V, 3.15A, RDPR-00UM
3. 4004-40012-603	Battery, Li-Ion, 12.4AH, 15V, RDPR-00UM

AVAILABLE CABLE ASSEMBLIES:	
1. VARDPR-UM	Charging Cable, Vehicle/Solar, RDPR-00UM (Can be used to connect to Vehicle/Relm Solar Panels)
2. CABANTRDPR	25 Ft. Antenna Coax Cable, N to UHF
3. CABANTRDPR25N	25 Ft. Antenna Coax Cable, N to N
4. CABANTRDPR50	50 Ft. Antenna Coax Cable, N to UHF
5. CABANTRDPR50N	50 Ft. Antenna Coax Cable, N to N
6. LINKCRDPR2	Mobile Extender/Link Cable
7. SINCGARS_LINK2	Link Cable Assy for SINCGARS
8. VAT0UM	Cable Adaptor, Relm Solar/Vehicle to RDPR-00UM (Can use VARDPR-UM instead for direct connection from Relm Solar/Vehicle to RDPR-00UM)
9. DCCBLRDPRUM	Unterminated Charging DC Cable
10. CABSOLARRDPR-UM	Solar Panel Cable Assy, used to connect Relm Solar Panel to RDPR-00UM
11. SLRCBLRDPRUM	Solar Cable Assy, 6 FT, 18 AWG
12. MECRDPR	Cable, Mobile Extender, RDPR-UM unterminated
13. MECRDPR-KNGM	Cable, Mobile Extender, RDPR-UM TO KNG-M

AVAILABLE MOUNTING KITS:	
1. RIKBKR	For Mounting BKR Series Radios (Left & Right)
2. RIKKNG	For Mounting KNG-P Radios (Left & Right)
3. RIKXTS	For Mounting Mot(XTS5000)/EFJ Radios (Left & Right)
4. RIKXTS2500	For Mounting Mot(XTS2500) Radios (Left & Right)
5. RIKAPX	For Mounting Mot(APX) Radios (Left & Right)

AVAILABLE OPTIONS:	
1. LZA3015-A	Factory Installed Duplexer 136-148MHz
2. LZA3015-B	Factory Installed Duplexer 148-160MHz
3. LZA3015-C	Factory Installed Duplexer 160-174MHz
4. MR354B-4	Factory Installed Duplexer 380-400MHz
5. LZA3017-A	Factory Installed Duplexer 406-440MHz
6. LZA3017-B	Factory Installed Duplexer 440-480MHz
7. LZA3017-C	Factory Installed Duplexer 480-512MHz
8. LZA3050	Factory Installed Duplexer Switch

AVAILABLE ACCESSORIES:	
1. 4004-40012-603	Battery, Li-Ion, 12.4AH, 15V, RDPR-00UM
2. WCRDPRUM	Charger, Wall, 19V, 3.15A, RDPR-00UM
3. SP20WRDPR-F	Solar Panel, Kit, Foldable, 15.8V, 1.2 A, 20W
4. SP60WRDPR-F	Solar Panel, Kit, Foldable, 15.4V, 3.6 A, 60W
5. SP90WRDPR-F	Solar Panel, Kit, Foldable, 15.4V, 5.4 A, 90W
6. BS4MRDPR	Heavy Duty Tripod, BlueSky 13'
7. USAT-1	Tripod, Aluminum, 6 Ft.
8. MAGMT-NTYPE	Mount, Mag, N-Type
9. MBS	Mounting Base, Antenna
10. MBS-NTYPE	Mounting Base, Antenna, N-Type
11. MWV1360S	Mobile Antenna, 136-174MHz
12. MWU4002S	Mobile Antenna, 380-520MHz
13. MWV800	Mobile Antenna, 760-870MHz
14. RDRRCC	Case, Incident Comd. Kit for RDPR & Access.

BUTTONS AND FUNCTIONS

Hard Durable
Pelican Case

Power Port
(Solar Option)   Radio

Duplexer
(Internal)

Battery

Mobile
extender/
SINCGAR
connector

Indicator Lights

Radio

Antenna
Port

On/off Switches

Portable Radio Mounting Plate
(Option plates for competitor
portables available)

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