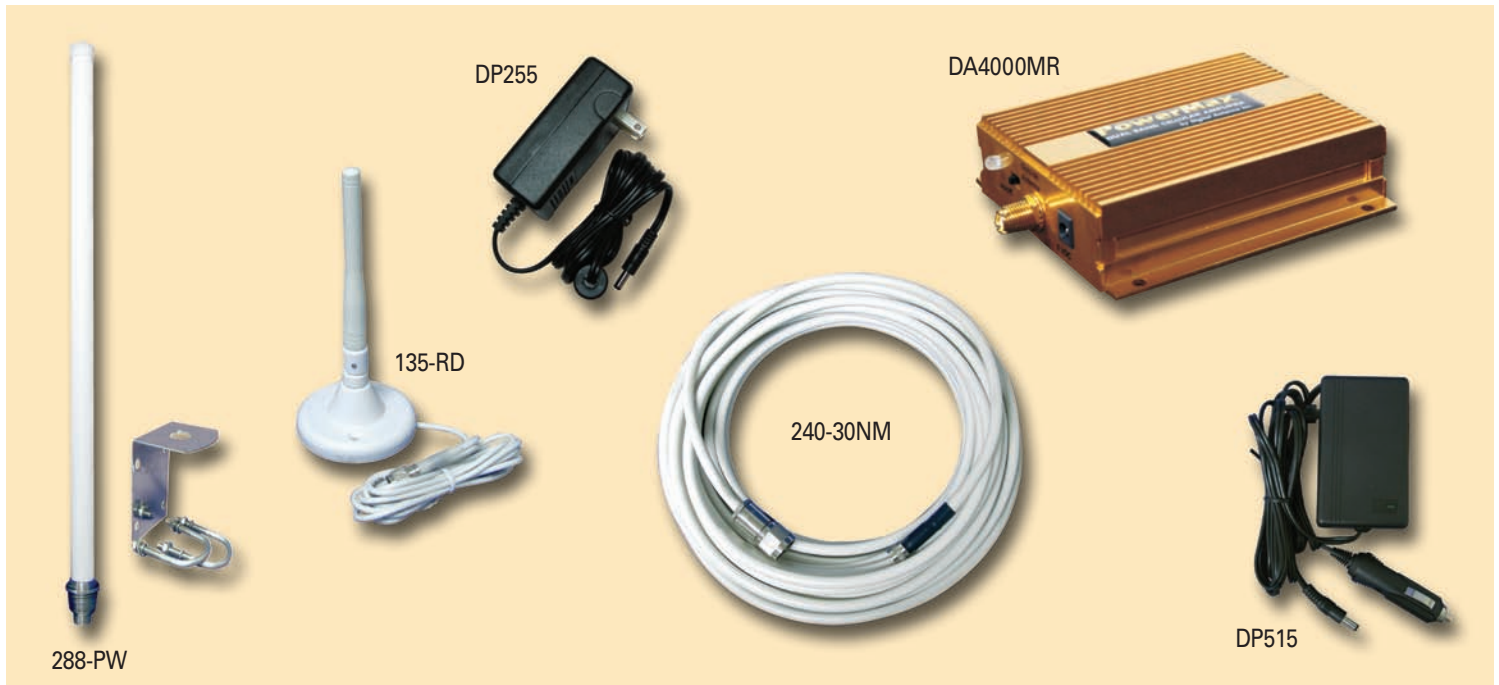


PowerMax™ MOBILE REPEATER



**40dB GAIN DUAL BAND
CELLULAR REPEATER**

BOATS | RVS | HOMES | OFFICES



Complete System #4KMR-30U

Experience greater cell phone power, range and reliability with Digital Antenna's award-winning, wireless PowerMax™ DA4000MR Mobile Repeater. This 3 watt cellular repeater offers superior performance and outstanding range, unequaled in the industry.



Award-Winning Technology

This innovative 4KMR-30U repeater system features Dynamic Variable Gain Control to regulate the amplifier's output to any cell carrier's tower whether the user is directly under the tower or miles away.

Benefits

- Increases cell phone range up to 30+ miles.*
- Wireless - no connection to cell phone.*
- Multiple cell phone users (up to 20) and carriers simultaneously.*
- Coverage area up to 1,000 SF.*

4KMR-30U System Includes:

- 3 watt dual band 40dB gain cellular repeater unit (# DA4000MR)
- 12 VDC power converter (# DP515)
- 110 VAC power supply (# DP255)
- Internal omni-directional antenna (# 135-RD)
- 18" external 9dB gain cellular antenna with mounting bracket (# 288-PW)
- 30' low-loss coaxial cable and attached connectors (# 240-30NM)

Requires 20' separation and a wall/roof/bulkhead structure between inside and outside antennas.

To mount #288-PW outside antenna on a standard 1"x14 marine mount, use model #F114 - 1"x14 double female ferrule.

See website for installation instructions www.digitalantenna.com



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PRODUCT TECHNICAL SPECIFICATIONS



40dB GAIN DUAL BAND CELLULAR REPEATER

MODEL NUMBER: 4KMR-30U

Repeater Unit	P/N DA4000MR
Frequency	Uplink: 824-849 MHz and 1850-1910 MHz Downlink: 869-895 MHz and 1930-1990 MHz
Modulations	All
Max Output Power	3W (824-849 MHz), 2W (1850-1910 MHz)
IP3	44 dBm
Dynamic Variable Gain	43 dB Max
Receive Sensitivity	-125 dBm
Impedance	50 ohms
Noise Figure	<3dB
Power Consumption	Standby 5 vdc/0.5A, Uplink 5 vdc/1.5A
Internal Fuse	5A
FCC Approved	FCC ID: PZOSDA4000SBR
Industry Canada Approved	IC ID: 4260A-DA4000SBR
Dimensions	4.5" l x 4" w x 1.25" h (114 mm x 102 mm x 32 mm)
Weight	11.5 oz (.345 kg)
RF Connections	Outside & Inside Antenna Port: mini-UHF female
DC Power Connector	Coaxial ID = 2.5 mm, OD = 5.5 mm
Indicator	Tri-color LED
Power Switch	Slide switch toward LED = ON

Outside Antenna	P/N 288-PW
Radiation Pattern	Omni-Directional
Gain	9 dBi
VSWT	< 1.5:1 @ 850 MHz; < 1.5:1 @ 1900 MHz
Bandwidth VSWR	< 1.5:1 = 810 - 950 and 1800 - 1980 MHz
Impedance	50 ohms
Max Input Power	200 watts
Dimensions	18" l x 1" OD (457 mm x 25.4 mm)
Weight	8 oz (.23 kg)
RF Connector	Type N female
Wind Rating	135 mph
Installation	Supplied L-bracket for pole/wall
Cable	C277-30

Power Cable	P/N DP515
Input	9VDC - 24VDC
Output	5VDC 1.5A
Connector	Cigarette Lighter
Cord Length	72" (183 cm)
Output Plug	5.5 x 2.5 x 11 mm

Power Supply	P/N DP255
Input	100-240VAC 50/60 Hz
Output	5VDC 1.5A
Connector	Wall Type
Cord Length	72" (183 cm)
Output Plug	5.5 x 2.5 x 11 mm

Cable	P/N 240-30NM
Length	30'
Impedance	50 Ohm
RF Connectors	Type N male & mini-UHF male attached
Attenuation at 800 MHz	71 dB per 100'
Attenuation at 1900 MHz	11.2 dB per 100'

Inside Antenna	P/N 135-RD
Radiation Pattern	Omni-Directional
Gain	Unity
VSWT	< 1.5:1 @ 850 MHz; < 1.5:1 @ 1900 MHz
Bandwidth VSWR	< 1.5:1 = 810 - 950 and 1800 - 1980 MHz
Impedance	50 ohms
Max Input Power	100 watts
Dimensions	4" l x .25" OD (101.6 mm x 6.3 mm)
Weight	1.8 oz (.05 kg)
RF Connector	Mini-UHF male
Wind Rating	N/A
Installation	Attached base for flat surface or wall
Cable	10' RG-174 with attached mini-UHF male

Required Installation Guideline:

- 20' minimum separation between outside & inside antennas including a complete structure (walls and roof).
- Cannot be used in open air such as open console boat.
- Inside antenna must be visible in room and not placed in a cabinet.
- Outside signal strength of -70 to -90 dB.