

PowerMax™ PERSONAL REPEATER



50dB GAIN 3 WATT WIRELESS REPEATER SYSTEM

CONDOS | APARTMENTS | DORM ROOMS
HOMES | OFFICES



Complete System 4KPR-15R

A compact and simple solution to poor cellular reception inside condos, apartments, dorm rooms, homes and offices, the PowerMax™ 4KPR-15R wireless personal cell booster provides reliable and clear cell phone communication equivalent to the cellular signal strength available outside the building. A simple do-it-yourself installation (no tools required) allows this repeater system to be installed anywhere. The result is clean and clear voice quality with maximum data throughput on all carriers except Nextel or iDEN.

NEW

DUAL BAND: use with all North American cell phones operating on 850 or 1900 MHz (except Nextel or iDEN).

4KPR-15R System Includes: :

- 3 watt dual band 50dB gain cellular repeater with built-in 9dB gain antenna (DA4000PR)
- Window mounted 9dB gain antenna (426-PW)
- Window mount for 426-PW antenna (DM426)
- 15' of DA240 cable with attached connectors (240-15NM)
- 110 VAC power supply (DP255)

- Application:** Condominiums, apartments, homes, offices and dorm rooms (up to 500 square feet).
- Range/Performance:** Wirelessly enhances signals of multiple cell phones in a room.
- Advantage:** Simple do-it-yourself installation does not require tools or outside installation.
- Requirement:** 10' separation between window antenna and repeater unit.

See website for installation instructions www.digitalantenna.com

FCC & IC approved to amplify all North American cell carriers operating on 850 and 1900 MHz



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PRODUCT TECHNICAL SPECIFICATIONS



50dB GAIN 3 WATT WIRELESS REPEATER SYSTEM

SYSTEM MODEL NUMBER: 4KPR-15R

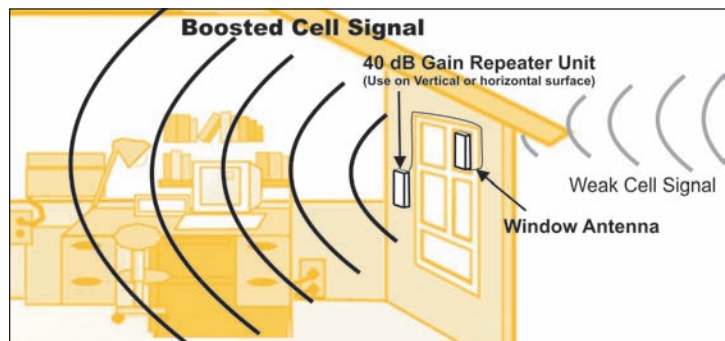
Repeater Unit	P/N DA4000PR
Frequency	Uplink: 824-849 MHz and 1850-1910 MHz Downlink: 869-895 MHz and 1930-1990 MHz
Modulations	All
Max Output Power	3W (824-849 MHz), 2W (1850-1910 MHz)
IP3	44dBm
Dynamic Variable Gain	50dB Max 40dB repeater + 10 dB antenna
Receive Sensitivity	-125dBm
Impedance	50 ohms
Noise Figure	<4dB
Power Consumption	Standby 5 vdc/0.5A, Uplink 5 vdc/1.5A
Internal Fuse	5A
Dimensions	10" l x 8" w x 3" h (254 mm x 203 mm x 76 mm)
Weight	2.5 oz (1.1 kg)
RF Connections	Window Antenna Port: mini-UHF female
DC Power Connector	Coaxial ID = 2.5 mm, OD = 5.5 mm
Indicator	Tri-color LED
Radiation Pattern	Directional Beam H60° V 55°

Power Supply	P/N DP255
Input	100-240 VAC 50/60 Hz
Output	5 VDC 2.5A
Mounting	Wall Type
Cord Length	10' (3 m)
Output Plug	5.5 x 2.5 x 11 mm

Window Antenna	P/N 426-PW
Radiation Pattern	Directional
Gain	9dBi
Beam Width	H 60° V 55°
Ratio front/back	> 20dB
Bandwidth VSWR	< 1.5:1 = 810-950 and 1800-1980 MHz
Impedance	50 ohms
Max Input Power	150 watts
Dimensions	8.5" l x 7" w x 1.7" h (210 x 180 x 43 mm)
Weight	1.5 lbs (.7kg)
RF Connector	Type N female
Installation	Inside window mount or outside wall bracket (included)

Cable	P/N 240-15NM
Length	15'
Impedance	50 Ohm
RF Connectors	Type N male and mini-UHF male (attached)
Attenuation at 800 MHz	1.06dB per 15'
Attenuation at 1900 MHz	1.7dB per 15'

Captures outside signal
and brings it inside
where you need it.



Required Installation Guideline:

8-10' separation between window antenna and repeater unit. Usable cell signal at location of window antenna.