

# 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.

4KPR-15R List Price: \$559.95

See website for installation instructions [www.digitalantenna.com](http://www.digitalantenna.com)

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



Digital Antenna, Inc.  
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# PRODUCT TECHNICAL SPECIFICATIONS



## 50dB GAIN 3 WATT WIRELESS REPEATER SYSTEM

SYSTEM MODEL NUMBER: 4KPR-15R

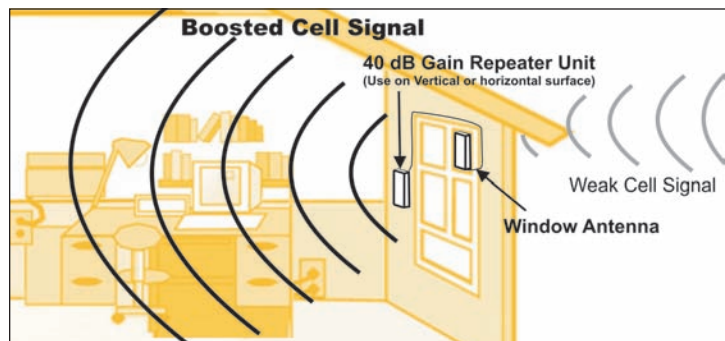
<b>Repeater Unit</b>	P/N DA4000PR
<b>Frequency</b>	Uplink: 824-849 MHz and 1850-1910 MHz Downlink: 869-895 MHz and 1930-1990 MHz
<b>Modulations</b>	All
<b>Max Output Power</b>	3W (824-849 MHz), 2W (1850-1910 MHz)
<b>IP3</b>	44dBm
<b>Dynamic Variable Gain</b>	50dB Max 40dB repeater + 10 dB antenna
<b>Receive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

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

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

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