

UM50

SKU: UNI-021

- **Mobile coverage on the go!**
- **Perfect for your car, RV or boat.**
- **Great for areas with weak signal**

Kit Includes:

- Booster **Uniden UM50**
- 12V lighter adapter
- Installation and User Guide
- 2 year warranty



POWERFUL

50 dB max gain and 25dbm of linear output power.

WIRELESS CONNECTIVITY

Wirelessly connect up to 20 cellular devices, including phones, smart phones, tablets and data cards.

NETWORK COMPATIBILITY

2G, 3G, 3G+
Dual band 850 and 1900 MHz system works with all cellular carriers using these frequency Bands (except Mike/Nextel).

FULLY AUTOMATED GAIN CONTROL

Weak and inconsistent signals are the reason why users experience poor reception.

AUTO SHUT OFF

Automatically shuts down the device incase of oscillation or an overloaded signal in order to prevent interference.

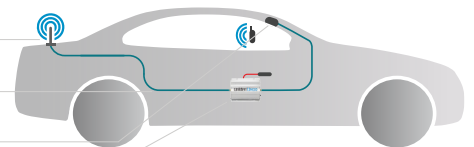
HOW A Uniden UM50 BOOSTER KIT WORKS

Outdoor Antenna

Cable

Indoor Antenna

Booster



* Coverage varies on input signal

ALL MAJOR CANADIAN CARRIERS
but not limited too



Uniden® UM50

BOOSTER TECHNICAL SPECIFICATIONS



Electrical Specifications		Uplink	Downlink
Frequency range	CDMA 800 PCS1900	824 ~ 849 MHz 1850 ~ 1910 MHz	869 ~ 894 MHz 1930 ~ 1990 MHz
Max Gain		≥ 45dB	≥ 50dB
Max Output Power		≥ 25dBm	≥ 0dBm
Average Output Power		≥ 23dBm	≥ -1dBm
Bandwidth	CDMA	25MHz	
	PCS	60MHz	
20 dB Bandwidth (nominal)	CDMA	36MHz	40 MHz
	PCS	87MHz	81 MHz
Gain Flatness	CDMA	≤ 8dB	
	PCS	≤ 12dB	
Automatic Level Control (AGC)		≥20dB	
Noise Figure		--	≤ 8dB
VSWR		≤ 2.8	
Group Delay		≤ 0.5μs	
Frequency Stability		≤ 0.01ppm	
Inter-modulation	9KHz~1GHz		≤-36dBm
	1GHz~12.75GHz		≤-30dBm
Spurious Emission	9KHz~1GHz		≤-36dBm
	1GHz~12.75GHz		≤-30dBm

LED Alarm

Standard

Power LED

Power Indicator

ALC LED

Orange @ ALC 1~5dB, Red @ ALC 15dB~20dB,
LED off after 5 seconds red colour

Mechanical Specifications

Standard

I/O Port

SMA-Female

Impedance

50 ohm

Operating Temperature

-25°C ~ +55°C

Environment Conditions

IP40

Dimensions

129x155x30mm

Weight

≤ 0.5Kg

Power Supply

DC 12V / 2A