

# <<< User Manual

## Cell phone amplifiers

### KW17L-CP

lintratek

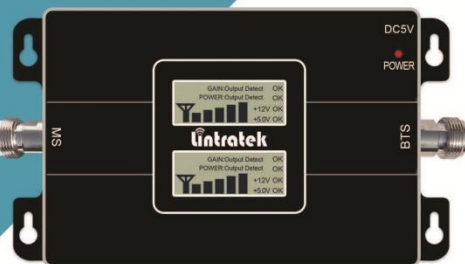


Our vision : Let the world no signal blind area

 [www.lintratek.com](http://www.lintratek.com)

Foshan Lintratek Technology Co., Ltd.

Model No :  
KW17L-CP



MS PORT  
To connect the  
indoor antenna

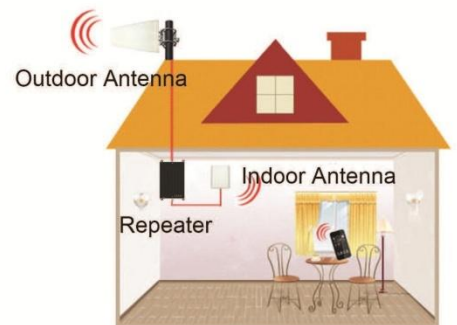
DC +5V  
Power Supply

BTS PORT  
To connect the  
outdoor antenna

Model No		KW17L-CP	
Parameter data		Uplink	Downlink
Frequency	CDMA+PCS	824~849/1850~1910 MHz	869~894/1930~1990 MHz
Output Power		13 ±2dBm	17 ±2dBm
Gain		65 ±2 dB	65±2dB
Bandwidth		25M+60M / 25M+60M	
Ripple in Band		≤1dB	
Spurious Emission	9KHz~1GHz	≤ -36 dBm	
	1GHz~12.75GHz	≤ -30 dBm	
Intermodulation Products	9KHz~1GHz	≤ -36 dBm	
	1GHz~12.75GHz	≤ -30 dBm	
VSWR		≤1.4	
MTBF		>50000 hours	
Power Supply		AC: 100~240V, 50/ 60Hz; DC: 5V 2A	
Power Consumption		< 10W	
Impedance		50 ohm	
Mechanical Specification			
RF Connector		N-Female	
Dimensions (D*W*H )		190*110*20 (mm)	
Net weight		< 0.5Kg	
Packing size (D*W*H )		240*140*80 (mm)	
Gross weight		< 0.64Kg	
Installation Type		Wall Installation	
Environment Conditions		IP40	
Humidity		< 90%	
Operating Temperature		-10℃ ~ 55℃	



Base station



Step 1: Install the outdoor antenna LPDA antenna on the top of building or other good signal places. Please ensure it is towards to base station or cell tower, which can receive very good signal(better than -70dBm).



Step 2: Connect the outdoor antenna to the signal repeater BS Port by cable. The joint of outdoor antenna and cable should be wrapped well with waterproof tape.



Step 3: Signal repeater MS Port connect to indoor antennas. Panel antenna by cable or directly connect to indoor antenna. If more than one antenna, please connect with the splitter first.



Step 4: After finish installed all kits then check carefully whether all cables connectors tightly. Then, please plug in the power supply.



Attention: Indoor antenna and outdoor antenna should be separated by a brick wall. To avoid self-oscillation phenomenon.

Installation

## Consumer booster warning label:

This is a **CONSUMER** device.

**BEFORE USE**, you **MUST REGISTER THIS DEVICE** with your wireless provider and have your provider's consent. Most wireless providers consent to the use of signal boosters. Some providers may not consent to the use of this device on their network. If you are unsure, contact your provider.

You **MUST** operate this device with approved antennas and cables as specified by the manufacturer. Antennas **MUST** be installed at least 20 cm (8 inches) from any person.

You **MUST** cease operating this device immediately if requested by the FCC or a licensed wireless service provider.

**WARNING.** E911 location information may not be provided or may be inaccurate for calls served by using this device.

This device may be operated **ONLY** in a fixed location for in-building use.

(1) Usage of unauthorized antennas, cables, and/or coupling devices may result in poor effect and, in severe cases, equipment damage.

(2) a complete list of authorized antennas, cables, and/or coupling devices:

	Name	Model	Gain/Loss	Photo
Indoor Antenna	Panel Antenna	IBG-8NK-80/250	5dbi @824-894MHz 5dbi @1850-1990MHz	
	Ceiling Antenna	IXD-3NK-80/250	3.5dbi @824-894MHz 3.5dbi @1850-1990MHz	
Outdoor Antenna	Log-periodic Antenna	ODS-10NK-80/250	5dbi @824-894MHz 5dbi @1850-1990MHz	
	Yagi Antenna	OBM-5NK-82/96	3dbi @824-894MHz 3dbi @1850-1990MHz	
cable	Coaxial cable with N male connector	PTE-3D-FB-5NB	3dbi @824-894MHz 3dbi @1850-1990MHz	

(3)the default antenna, cable, and/or coupling device that are shipped with the booster  
Log-periodic Antenna, Panel Antenna and CoaxialCable.

(4) The antenna is equipped with a U-shaped mounting bracket. The log-periodic antenna should be installed in a place with good outdoor signal. The panel antenna should be installed indoors and near the main device. If the amplification effect is not good after the installation is completed, the direction of the log-periodic antenna can be gradually adjusted to achieve better effect.

(5) Contact information for providers:

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(6) The device has automatic sleep function, strong anti-interference ability, over-power protection function, good heat dissipation design, and no radiation. The working noise is as low as 6DB.