

IIWEE SHRONG LINK USER MANUAL



IIWEE™ STRONG LINK SIGNAL BOOSTER

2G/3G&4G Home Signal Booster Kit

User Manual

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FCC Requirements

(1) 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 20cm(8inches) from any person.

You MUST cease operate 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.

(2) The label for Consumer Signal Boosters certified for fixed indoor operation also must include the following language;

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

Thank you for purchasing Strong Link cellular signal booster kit. Strong Link was specifically designed to eliminate frustrations over dropped calls, limited range and slow data rates by amplifying incoming and outgoing cellular signals in homes up to 2000 square feet.

The Strong Link provides enhanced cellular signals for multi-carrier 2G, 3G and 4G voice and data reception.

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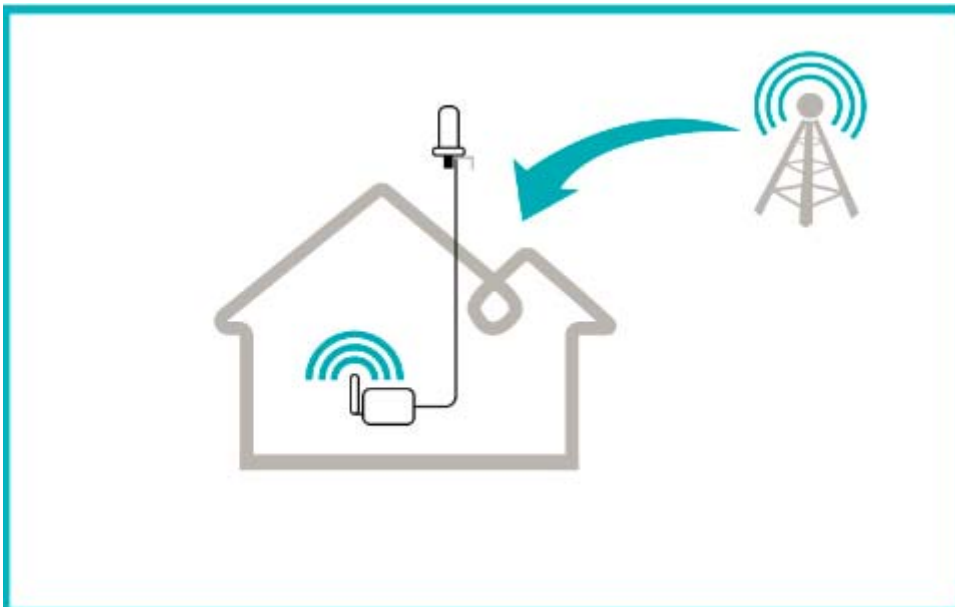
How It Works

IIWEE's Strong Link is a high-quality bidirectional signal booster that enhances cellular signals to areas that are prone to weak cellular coverage.

Strong Link works with two antennas:

- An Inside antenna that communicates with your cell phone
- An outside antenna that communicates with the cell tower.

Signals sent from a cell tower are received by the outside antenna amplified by the booster and then sent to your phone via the inside antenna. When your phone transmits the signal is sent to the inside antenna and then sent to the cell tower via the outside antenna.



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



STRONG LINK
SIGNAL BOOSTER

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Package Contents

1. Before you begin, make sure all of the following parts came with your iiwee Package
2. Keep the carton and packing material to store the product in case you need to return it.

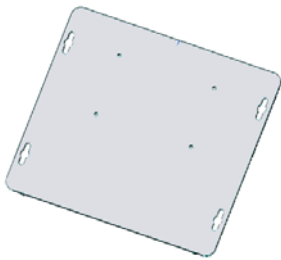
Standard Strong Link signal booster packages include the following items:

- ① One iiwee Strong Link booster
- ② Heat sink aluminum plate
- ③ One outside antenna
- ④ Cable for connecting the outside antenna to the signal booster
- ⑤ One inside antenna
- ⑥ Cable for connecting the inside antenna to the signal booster
- ⑦ One power supply

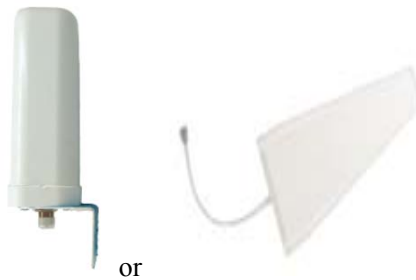
① Strong Link



② Heat sink aluminum plate



③ One outside antenna (Option)



④ Cable for connecting the outside antenna to the signal booster



⑤ One inside antenna (Option)



⑥ Cable for connecting the inside antenna to the signal booster



⑦ One power supply



Warning: Unauthorized antennas cables and/or coupling devices are prohibited by FCC new rules. Please contact the FCC for details : 1 -888-CALL- FCC. Changes or modifications not expressly approved by iiwee could void the user's authority to operate the equipment

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Accessories

Note: Strong Link is available in four kits that are customized to your particular needs.

Please determine which kit you have from the following list:

External Antennas - Outdoor			
	Omni Outdoor Antenna	HT-7025-5	Omni antennas are ideal for topographies with minimal obstacles they have 360 ° reception
	Yagi Outdoor Antenna	HT-7025LA	Yagi antennas are designed to reach carrier towers that are up to 30 miles away
Broadcast Antennas - Indoor			
	Right Angle Antenna	HT-7027LA	Designed for signal enhancement in 1-2 rooms
	Panel Antenna	HT-7025WA	Panel Antennas allow optimum reception to targeted areas
Accessories			
HTT-75OAU	1 Outdoor Omni Antenna 1 interior right angle antenna and 50' RG6 coax cable Covers a small home or Small Office, up to 2,000 Sq Ft		
HTT-75YAU	1 Outdoor Yagi Antenna 1 interior right angle antenna an 50' RG6 coax cable Covers 1-2 Rooms of a Home or Small Office, up to 3,000 sq ft.		
HTT-75OPU	1 Outdoor Omni Antenna 1 interior panel antenna20' SC-240 and 50' RG6 coax cable Covers 2-3 Rooms of a Home or small office, up to 3, 000 sq. Ft.		
HTT-75YPU	1 Outdoor Yagi Antenna 1 interior panel antenna20' SC-240 and 50' RG6 coax cable Covers 2-4 rooms or office, up to 4,000 sq ft		

Thank you for choosing iwee strong link! You will now be able to use your cell phone INSIDE your home. Gone are the days when you had to go to the window upstairs or walk outside to use your cell phone. Like a skylight that brings sunlight into your home,iwee strong link transports and amplifies the outdoor signal into your home.

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Installation

The following tools are needed to set up iwee strong link:

- #2 Phillips screwdriver
- Cellular phone
- Drill

Check Before You Install

- Ensure that you have positioned the booster close enough to an existing electrical outlet
- Ensure that there is sufficient cable length between proposed outside antenna location and booster connector.
- Ensure that you have sufficient cable length between proposed inside antenna location and booster connector. Additional cable may be purchased from your dealer if needed.



1. Outdoor Antenna 2. Booster 3. Indoor Antenna

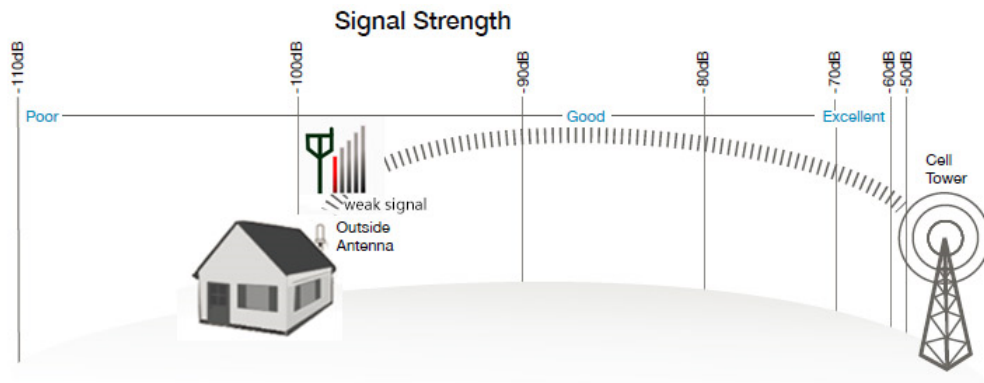
Step 1. Finding the Strongest Signal

Before placing a iwee in your home, make sure that you can make calls on the outside of your home, in the attic, at roof level or wherever you plan to place the External Antenna. iwee can only bring signal into your home when signal reaches the External Antenna. If there is no signal, iwee will not work for you.

- Apple iPhones: Dial * 3001#12345#* and press Call. In the top-left corner, a dB number appears instead of bars
- Android devices: download apps such as "Network Signal Info" in the Google Play store to measure signal strength. Search check real signal strength to find other cell signal measurement apps
- Internet go to www.speedtest.net to test 3G and 4G data rates.

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The signal booster requires a minimum cellular signal of low -100 dBm. Signal readings usually appear as a negative number (for example -85). It is recommended that the signal be between -70dB to -90dB. That's when the signal is neither too strong nor too weak. Signals stronger than -50dB may cause the affected bands to shut down while displaying a flashing red LED. If your outside signal is too weak (-95dB or worse) you may need a Yagi antenna instead of an omnidirectional one which can be aimed at the cell tower of your carrier to pull in a stronger signal to the booster.



Step 2. Install the Outside Antenna

- Ensure that the mounting area has at least a 12-inch radius clear of obstructions and other radiating elements
- The antenna must also remain at least 3 feet from any metal objects such as pipes, metal siding, A/C unit etc.
- Do not collocate antennas or operate the outside antenna with any other antenna or signal booster.

Installing the omni Antenna:

Outside omni antennas receive and send signals in a 360° radius.



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Installing the YagiAntenna:

Yagi or directional antennas work best when facing the direction of cellular phone towers. Mount the outside antenna as high as possible.

- 1: Install U-Bolt on pole
- 2: Slide pipe clamp over U-Bolt with the flat side facing away from the pipe
- 3: Slide antenna bracket onto U-Bolt in desired location.
- 4: Install flat washer split washer and nut, hand tighten.

Note: Antenna may be installed on a variety of pipe angles ensure that the antenna is pointing in the direction of the closest cellular tower and is vertical with the drip hole at the bottom. To find the location of the closest cell tower go to:

www.cellreception.com.



Step 3. Install the Inside Antenna

- For best performance ,place the outside antenna at least 30 feet from the inside antenna.

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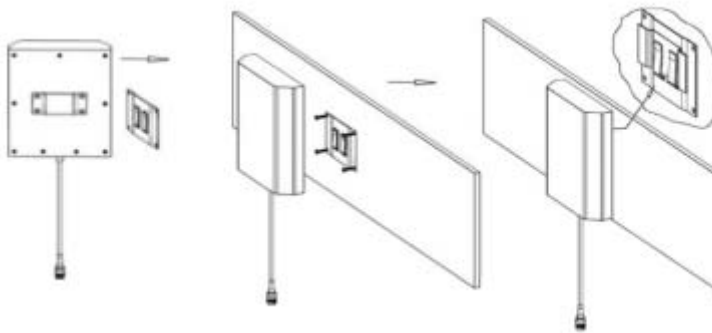
Installing the Panel Antenna:

Connect the antenna by firmly screwing it onto the inside port of the Strong Link Booster. For best results the antenna should be mounted in an upright position. The right angle antenna connects directly to the amplifier port labeled "Inside".

1. Choose a location for mounting the antenna on vertical surface. Ideal height off the ground or floor should be the approximate height of your cell phone when in use.
2. Using plate, mark position of desired screw placement with pencil or marker.
3. Screw mounting plate into place with the slide panel protruding towards you.
4. Slide antenna securely onto mounting plate.

Note: Be sure to provide enough separation from outside antenna.

Panel antenna should not face outside antenna.



Step 4. Install the Signal Booster

1. Select a location close to a working AC outlet. Do not expose the signal booster to excessive heat, direct sunlight, moisture, and airtight enclosures.
2. If you'd like to mount the booster to a wall, mark location of screw tabs on the wall in the desired location.
3. Use supplied screws or appropriate screws for surface of mounting location and drill through screw tab holes on booster.
4. Connect the outside antenna cable to the signal booster connector marked OUTSIDE.
Hand-tighten the connection.
5. Connect the inside antenna cable to the signal booster connector marked INSIDE.
Hand-tighten the connection.
6. Connect the AC power cord to the signal booster.
7. Connect the plug on the other end of the 110V AC power outlet.
8. Turn the booster's power switch on.

If you Want to Improve Coverage

1. Find a location that receives a stronger signal and relocate the outside antenna to that location or, for the Yagi antenna, optimize the antenna angle.
2. Increase the distance between the outside and inside antennas.

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Specifications

Strong Link Specifications	
Uplink Frequency Range (MHz)	698-716 / 776 – 787 / 824-849 / 1850-1915 / 1710-1755 (G Block Included)
Downlink Frequency Range (MHz)	728-746 / 746 – 757 / 869-894 / 1930-1995 / 2110-2155 (G-Block Included)
Input Impedance	70Ohm (RG6)
Maximum Gain	70 dB
Noise Figure	5 dB
Supported Standards	CDMA , WCDMA , GSM , EDGE , HSPA+ EVDO , LTE and all cellular standards
Wall Supply Input ; Voltage	100-240VAC, 50-60 Hz
Maximum Output Power	28dBm EIRP(UL)/16dBm EIRP(DL)
Cable	RG6
RF Connectors	N-Female (Outdoor) / N-Female (Indoor)
Power Consumption	<15W
Operation Temperature	Indoor Use Only (40° - 105° F)
Dimensions:	175*120*26mm
Weight	0.89Kg

Kitting Information

Component	Product No. Description	Gain/Loss					Notes
		LTE - A	LTE - V	800 MHz	1900 MHz	1700MHz\2100MHz	
Outdoor Antenna*	HT-7025-5	8dBi	8dBi	8dBi	10dBi	8dBi	
	HT-7025LA	9dBi	9dBi	9dBi	11dBi	9dBi	Yagi antenna
	HT-6927DB	3dBi	3dBi	3dBi	5dBi	3dBi	
Outdoor Cable*	SC - RG6 - 50N 50Feet	2.32 dB	2.32 dB	2.75 dB	5.42 dB	5.22dB	50 Feet or longer
Indoor Cable*	SC240 - 20N 20Feet	1.86 dB	1.86 dB	2.29 dB	2.56 dB	2.86dB	20 Feet or longer
Indoor Antenna*	HT-7025DB	2.5dBi	2.5dBi	3dBi	5dBi	5dBi	
	HT-7027LA	3dBi	3dBi	3dBi	6dBi	6dBi	
	HT-7025WA	7dBi	7dBi	7dBi	10dBi	10dBi	Panel antenna

Note: The above model cables and antennas are suitable for Strong link signal booster.

Warning: Unauthorized antennas cables and/or coupling devices are prohibited by FCC rules.

Please contact FCC for details: 1-888-CALL-FCC

The antenna, cables, and other accessories of the booster kits shall not be modified without authorized, otherwise it shall be deemed invalid.

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Warranty Information

Limited 1 Year Warranty

liwee warrants every liwee product to be free from defects in material and workmanship under normal use for the warranty period of one years.

The liwee Strong Link provides enhanced cellular signals for multi-carrier 2G,3G and 4G voice and data reception. If you have any questions while assembling this kit please contact tech support at +86 13823729430 Email:sablewu007@gmail.com

Reminder

Record the model and serial number found on the product below:

Turn over the signal booster and record the model and serial number for reference:

Model#: _____

Serial#: _____

Purchase Date:_____

Note:

If red light is on, system is receiving signals from either the mobile device or the base station transceiver which are too strong for proper operation. Please unplug your system. Re-orient your External Antenna and/or Base Unit to reduce the excessive signal source. Plug your system back in.

Safety Warning

Users must follow the below principles:



- 1 Repeater should follow system requirement of communication equipment, assure good groundings and lightning protection.



- 2 The power supply voltage of repeater should meet the standards of security requirement; any repeater-operator can operate only after cutting power in advance. Only the professional can operate electrified.



- 3 Do not dismantle machine, maintain or displace accessories by yourself, because in this way, the equipment may be damaged or even get an electric shock.



- 4 Do not open the repeater; touch the module of repeater, even not to open the cover of module to touch the electronic component, the components will be damaged due to electrostatic

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- 5 Please keep away from heating-equipment, because the repeater will dissipate heat when working. And do not cover repeater with anything that influences heat-dissipation.

FCC Requirements

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:

- (1) The device may not cause harmful interference, and
- (2) this device must accept any interference received, including interference that may cause undesired operation.

Changes or modification not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in particular installations. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.

Note: The antenna for the device has a 10 meter above ground maximum antenna height limitation when the device is used with a handset that covers the 1710-1755 MHz band and that owners could be subject to potential FCC enforcement action for noncompliance.

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. End users must follow the specific operating instruction for satisfying RF exposure compliance.

The equipment should be installed and operated with minimum distance 20cm between radiator and users.

This transmitter must not be co-located or operating in conjunction with any other Antenna or transmitter.