



HomeCell

HomeCell 2.0

Users Manual



1.0 Overview

HomeCell 2.0 brings you cell service where little, sporadic or no cell service exists due to physical signal blockage. If you are one of the millions that need to walk outside, go upstairs, or lean up against a window to get cellular signal in your own home then HomeCell is the product for you.

Unlike other “booster” products HomeCell works with all cell phone providers with the exception of iDEN “walkie talkie” service. It is a dual frequency bi-directional amplifier for the purpose of boosting “cellular” signals to create coverage where poor or no coverage exists. An omni directional antenna is mounted where good signal exists and a cable is connected between this antenna and HomeCell, the amplifier. The amplifier amplifies the signal it receives from the antenna, amplifies it and retransmits the signal in the area of the HomeCell amplifier. Conversely the cellular telephone signal in the immediate area of HomeCell is received by the amplifier and distributed back to the local cell tower through the cable and the antenna outside the residence.

In addition, HomeCell is capable of performing in both “cellular” bands. These are the 800 MHz “Cellular” band and the 1800 MHz “PCS” bands. This allows for HomeCell to be transparent to the customer’s cellular usage.

2.0 Package Contents

HomeCell 2.0 comes with everything you need to install the unit and start getting better service in your home including:



- Outdoor antenna
- Outdoor antenna mounting hardware
- 30 feet of pre-terminated cable
- HomeCell 2.0 bi-directional dual band amplifier
- Indoor antenna

- AC/DC adapter

An additional 30 foot piece of pre-connectorized extension cable is also available if required for installation.

3.0 Installation

3.1 Outdoor Antenna Installation.

Choose a location for the outside antenna where you know you get good cellular signal. You can use the “signal level bars” on your phone or if you know where you get good service from experience to determine the location. Generally the higher above the ground the antenna installation the better the signal will be. The antenna can also be mounted in the attic of your home. Remember, you will need to think about the outside location with respect to the inside amplifier location. Remember that you are going to have to install a 30 foot cable between the two locations.



Install the antenna with the hardware included. The antenna should be mounted vertically.

3.2 Indoor HomeCell Location

Choose a central location in your home where the signal is the worse to locate the HomeCell amplifier. You can find this place by using the “signal level bars” on your cell phone or if you know from experience where the dead zones are. Pick a location centralized to the dead zones and within 30 feet of the outside antenna location. There also needs to be a power outlet close in order to power HomeCell with the AC/DC adapter

included. Be sure HomeCell is “off” before connecting the AC/DC adapter and the cable.

3.3 Cable Installation

The 30 pre-connectorized cable included needs to be installed between the outdoor antenna and the HomeCell amplifier. The connectors on the cable are different so that one matches the outside antenna and one matches the HomeCell amplifier. Most likely a drill will have to be used to run the cable through a wall or floor. Be sure the cable is attached to HomeCell before turing the power on.

3.4 HomeCell Installation

HomeCell should be place in a table or shelf. Be sure the power is off. Connect the pre-connectorized cable to HomeCell. Connect the indoor antenna to HomeCell. Connect power to HomeCell and turn on the power switch.

YOU CAN NOW MAKE CELL CALLS WHERE YOU NEVER HAVE BEFORE !

4.0 Troubleshooting

- 4.1 HomeCell does not work with iDEN services like Nextel.
- 4.2 The antenna connected to HomeCell can be rotated and it's position changed in order to maximize coverage in the home.
- 4.3 There must be separation between the outdoor antenna and HomeCell. If there is not enough separation the error light will turn red on HomeCell. Move the two antennas further apart, or change the relative elevations of the two antennas.
- 4.4 If the cell phone you are using is too close to the HomeCell unit the red error light will come on. Move away from the unit.
- 4.5 When a call is detected the ACT (active) light will flicker.
- 4.6 There are “signal bars” on the device that show the outside antenna reception signal.

5.0 Specifications

5.1 Frequency of operations

- i. "cellular" uplink 824-849 MHz, downlink 869-8955 MHz
- ii. "pcs" uplink 1850-1910 MHz, downlink 1930-1990 MHz

b. System Compatibility

- i. AMPS, GPRS, TDMA, PCS, CDMA, GSM850, GSM1900

c. Maximum Output Power

- i. 824-849 MHz – 3 Watts
- ii. 1850-1910 MHz – 2 Watts

d. Power

- i. AC input power – 100-120 VAC
- ii. 5 VDC, 1.5 A

FCC Information

This equipment has been tested and found to comply with the limits of 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 the 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 a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning off the equipment, the user is encouraged to try and 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 to the equipment to a different power outlet and a different circuit than the receiver.
- Consult technical assistance or and electricians help.

Technical Support

Go to technical support at www.Home_Cell.com

Limited Warranty

HomeCell, LLC, warrants your HomeCell™ 2.0 and included accessories against all defects in material or workmanship for a period of ninety (90) days from the date of purchase subject to the following terms and conditions.

The sole responsibility of HomeCell, LLC (The Company) under this Warranty is limited to either repair or, at the option of The Company, replacement of HomeCell 2.0 or included accessories. There are no expressed or implied warranties, including those of fitness for a particular purpose or merchantability, which extend beyond the face there of. Some states do not allow limitations on the length of time of an implied warranty lasts, in which case the above limitations do not apply.

The Company is not liable for any incidental or consequential damages arising from the use, misuse, or mounting of HomeCell™ products except for in states that do not allow exclusion of incidental or consequential exclusions.

This Warranty gives you specific rights. You may have other legal rights which vary from state to state. The Warranty does not apply if the product has been subjected to physical abuse, improper installation or modification.

The Company reserves the right to make changes or improvements in our products from time to time without incurring the obligation to install such improvements or changes on equipment or items previously manufactured.

Limited Liability

In no event shall HomeCell, LLC be liable for any direct, indirect, special, punitive, incidental, exemplary or consequential damages, whether in an action under contract negligence or, or of, inability to use, or performance of the information, services, products, and materials available from this manual. These limitations shall apply notwithstanding any failure of the essential purpose of the limited remedy. Because some jurisdictions do not allow limitations on how long an implied warranty last, or the exclusion or limitation of liability for consequential or incidental damages, the above limitations may not apply to you.