

INSTALLATION INSTRUCTIONS



Model # DA4600

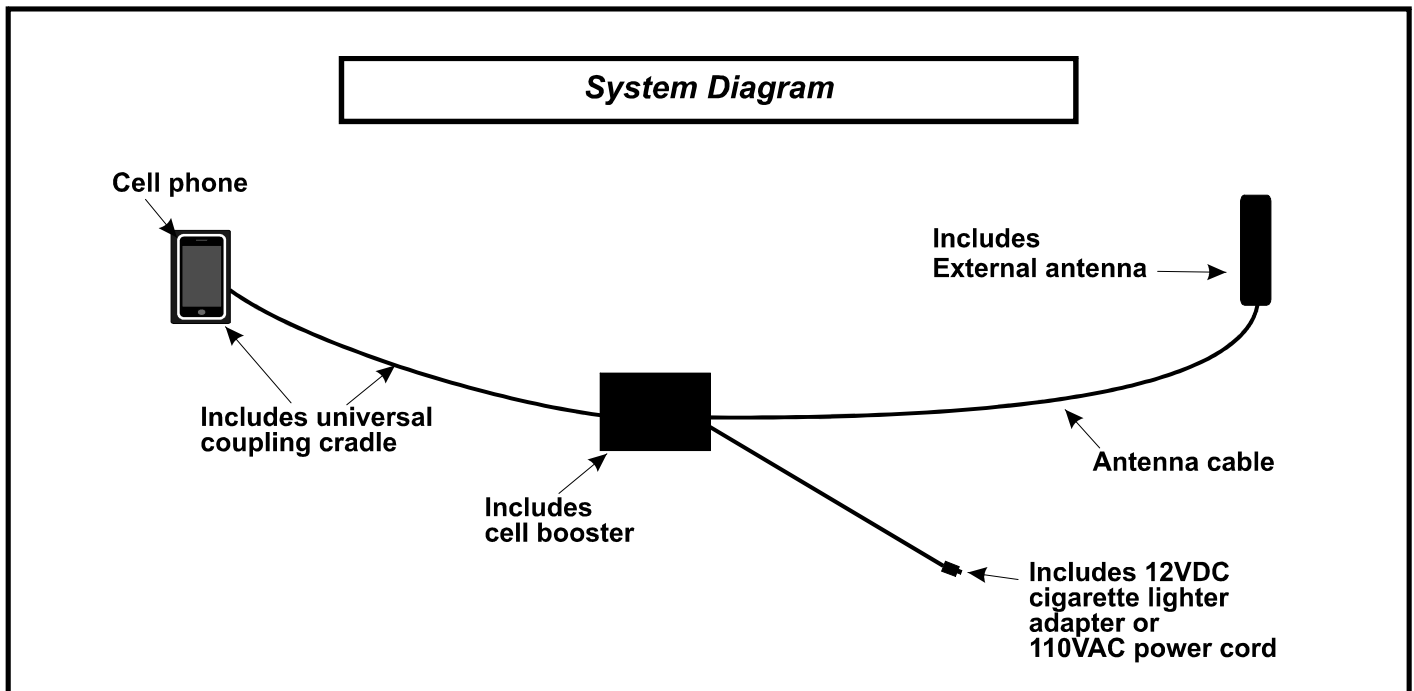
Dual Band Direct Contact Coupled Amplifier

850 MHz Band | 1900 MHz Band

System Includes:

(DA4600) Cellular Amplifier, Power Cord, External Antenna and Cell Coupling Cradle

Additional antenna kit options available listed on back side of instructions.



Description of System:

Digital Antenna's direct contact coupled cell amplifier provides maximum gain for more range on 850 and 1900 MHz networks. PowerLogic™ boosters improve transmit and receive signals and can be used in a variety of applications including boats, vehicles, M2M, homes and offices.

System Operations:

Mount the external antenna according to antenna's installation guidelines. Any external antenna used must be located at least 8 inches from all persons. Connect the antenna cable to the amplifier's antenna port. Mount the amplifier in a dry location near power source. The amplifier is not weatherproof. Attach cell cradle cable to amplifier's cell port then to cell phone. After all connectors are secure, plug in power cable to amplifier then power source. Cell phone cradle and external antenna must be separated by at least 6 feet. Cell phone cradle includes mount and must be located at least 8 inches (20cm) away from user. Amplifier light should be green. The signal will be strongest by placing the adapter cable nearest the cell phone's internal antenna. Slight adjustment of handset placement in the cradle may be required to produce strongest signal coupling.

A microprocessor monitors the unit to detect oscillation. Improperly installed antenna/cradle separation or an over driven input will cause the unit to be disabled for 1 minute. This is indicated by the power light changing from green to a blinking red. After 1 minute the unit will restore to normal operation. However, if an oscillating condition still exists, the unit will again shutdown. It will repeat the shutdown sequence five times before requiring a power off-on reset to restart.

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Antenna Safety Guidelines

Any antenna used with this device must be located at least 8 inches from all persons. The antennas listed below are approved for use with Digital Antenna's direct contact coupled cell boosters.

Warning: Use of unauthorized antennas, cables, and/or coupling devices violates FCC regulations.

Outside Antenna Kit Options:

Antenna Type: O = Omni-Directional, D = Directional **Gain:** 824-849, 1850-1910 MHz

Antenna with	Type	Gain dB	10' DA240 Cable	15' DA240 Cable	30' DA240 Cable	50' DA340 Cable	75' DA340 Cable	100' DA340 Cable	150' DA440 Cable
1273-PW	O	3, 4.5	1273-24010	1273-24015	1273-24030	1273-34050	1273-34075	1273-340100	1273-440150
1285-PW	O	3, 4.5	1285-24010	1285-24015	1285-24030	1285-34050	1285-34075	1285-340100	1285-440150
854-CW	O	2.8, 4.3	854-24010	854-24015	854-24030	854-34050	854-34075	854-340100	854-440150
883-CW	O	2.8, 4.3	883-24010	883-24015	883-24030	883-34050	883-34075	883-340100	883-440150
897-CW	O	2.8, 4.3	897-24010	897-24015	897-24030	897-34050	897-34075	897-340100	897-440150
1197-CW	O	2.8, 4.3	1197-24010	1197-24015	1197-24030	1197-34050	1197-34075	1197-340100	1197-440150
861-CW	O	2.8, 4.3	861-24010	861-24015	861-24030	861-34050	861-34075	861-340100	861-440150
1161-CW	O	2.8, 4.3	1161-24010	1161-24015	1161-24030	1161-34050	1161-34075	1161-340100	1161-440150
865-CW	O	2.8, 4.3	865-24010	865-24015	865-24030	865-34050	865-34075	865-340100	865-440150
1154-CW	O	2.8, 4.3	1154-24010	1154-24015	1154-24030	1154-34050	1154-34075	1154-340100	1154-440150
1183-CW	O	2.8, 4.3	1183-24010	1183-24015	1183-24030	1183-34050	1183-34075	1183-340100	1183-440150
1165-CW	O	2.8, 4.3	1165-24010	1165-24015	1165-24030	1165-34050	1165-34075	1165-340100	1165-440150
869-CW	O	2.8, 4.3	869-24010	869-24015	869-24030	869-34050	869-34075	869-340100	869-440150
1169-CW	O	2.8, 4.3	1169-24010	1169-24015	1169-24030	1169-34050	1169-34075	1169-340100	1169-440150
288-PW	O	2.5, 4	288-24010	288-24015	288-24030	288-34050	288-34075	288-340100	288-440150
295-PW	O	2.5, 4	295-24010	295-24015	295-24030	295-34050	295-34075	295-340100	295-440150
437-PW	D	3.2, 7.8	N/A	N/A	437-24030	437-34050	437-34075	437-340100	437-440150
457-DB	D	7.3, 7.5	N/A	N/A	457-24030	457-34050	457-34075	457-340100	457-440150
426-PW	D	4.2, 8.8	N/A	N/A	426-24030	426-34050	426-34075	426-340100	426-440150
489-DB	D	5.8, 7.8	N/A	N/A	489-24030	489-34050	489-34075	489-340100	489-440150
408-YB	D	8.8, -5.2	N/A	N/A	N/A	408-34050	408-34075	408-340100	408-440150
492-YB	D	-9.7, 10.8	N/A	N/A	N/A	492-34050	492-34075	492-340100	492-440150
419-YB	D	-8.4, 10.5	N/A	N/A	N/A	419-34050	419-34075	419-340100	419-440150
184-TR	O	1, 3.2	184-24010	N/A	N/A	N/A	N/A	N/A	N/A
179-TR*	O	1, 3.2	N/A	N/A	N/A	N/A	N/A	N/A	N/A
196-TR*	O	1, 3.2	N/A	N/A	N/A	N/A	N/A	N/A	N/A
561-CW*	O	2.8, 4.3	N/A	N/A	N/A	N/A	N/A	N/A	N/A
563-CW*	O	2.8, 4.3	N/A	N/A	N/A	N/A	N/A	N/A	N/A
567-CW*	O	2.8, 4.3	N/A	N/A	N/A	N/A	N/A	N/A	N/A
CA09P*	D	4.2, 1.2	N/A	N/A	N/A	N/A	N/A	N/A	N/A
CA55M*	O	.7, 3.2	N/A	N/A	N/A	N/A	N/A	N/A	N/A

*Antennas include cable not listed

This device uses a direct contact (inductive cradle) for the server antenna input. Mobile Station Coupling Loss is 7dB at 836mHz and 9dB at 1880mHz. The above combinations do not exceed 13dB gain. Any kitted antenna/cable combination must not exceed 13 dB of gain.

Uplink Frequency (MHz)		824-849	1850-1910
Uplink Output Power (dBm)		17	17

FCC ID	PZODA4600
IC	4260A-DA4600

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.

Warranty: Digital Antenna, Inc. warrants Antennas for five (5) years and Cellular Amplifiers, Repeaters and Accessories for two (2) years, that its Products sold hereunder will at the time of shipment be free from defects in material and workmanship and will conform to Digital Antenna's applicable specifications.

Nominal passband gain: 22dB Mean output power: 17dBm Input/output impedance: 50 ohm

Nominal bandwidth: Cell band: uplink 824-849MHz, downlink 869-894MHz, PCS band: uplink 1850-1910MHz, downlink 1930-1990MHz

NOTICE: The Manufacturer's rated output power of this equipment is for single carrier operation. For situations when multiple carrier signals are present, the rating would have to be reduced by 3.5 dB, especially where the output signal is re-radiated and can cause interference to adjacent band users. This power reduction is to be by means of input power or gain reduction and not by an attenuator at the output of the device.