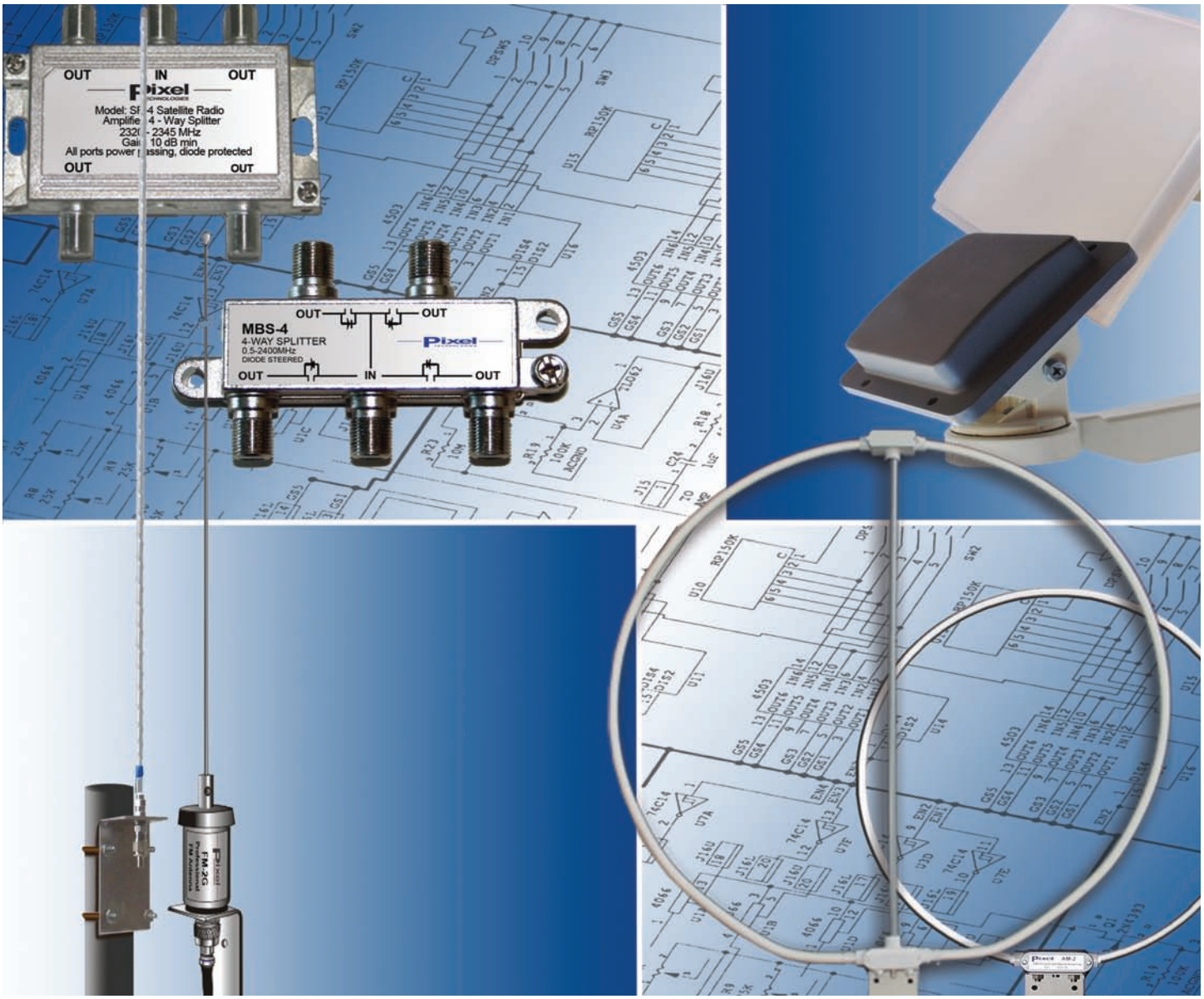


Pixel TECHNOLOGIES

Professional Antennas & Distribution Accessories for Cellular Phone, Satellite Radio, AM/FM, HD Radio, and Shortwave

SiriusXM SATELLITE RADIO

www.PixelSatRadio.com
info@PixelSatRadio.com
303-526-1965

CEDIA CUSTOM ELECTRONIC DESIGN & INSTALLATION ASSOCIATION Member

About Pixel Technologies

Pixel Technologies has been in business for ten years with a line of quality products that we have targeted specifically for the CEDIA marketplace. We design and manufacture very high performance antennas for Cellular Phone, Satellite Radio, AM / FM / HD Radio, and Shortwave. We also have a selection of amplifiers, splitters and other RF distribution accessories for use in luxury home, multi-dwelling and commercial installations.

Our innovative, ruggedly-constructed products are designed for installations where performance, easy-installation, long-life and first rate customer service are paramount. We have solutions for virtually every RF reception and distribution project you encounter.

Here's how we can help you:

- Free systems design where we provide you customized system drawings, a BOM and price quotations
- Solutions for even the most difficult reception problems
- American-made cutting-edge products built to last
- Second-to-none technical support and customer service
- Fast shipping
- Labor saving installation accessories
- Competitive pricing

We are open Mon - Fri 7:30 AM - 5:00 PM (Mountain).

Table of Contents

Adapters & Cables

SMA Male to F-Female Adapter

Model: SMA-2F

Used for mating first generation Sirius and XM commercial antennas to standard RG-6 cable with F connectors.

Includes:

(1) SMA-male to F-female adapter

SMB-Jack to F-Male Adapter

Models: SMBF and SMBF-10

Used for mating standard 'consumer grade' XM and Sirius antennas with SMB plugs to line amplifiers and RG-6 cable with F connectors.

Includes:

SMBF: (1) SMB-jack to F-male adapter
SMBF-10: (10) SMB-jack to F-male adapters

Pre-Cut Quad-Shield RG-6 Cable

Premium quad-shield RG-6 has quadruple foil shields and high-density copper braid to provide greater protection against electromagnetic interference.
Lengths available to suit all installations.

Models:

C-50	50 feet
C-100	100 feet
C-150	150 feet
C-200	200 feet

Includes:

Compression water-proof F connectors on both ends

3 Foot SMB-Plug to F- Female Adapter Cable, 90°

Models: F36SMB90 and F36SMB90-10

Used for mating RG-6 cable to XM and Sirius radios. The cable length (and weight) has been optimized to avoid placing excessive mechanical stress on the radio's panel mounted SMB-jack.
(F-female jack to SMB-right angle plug.)

Includes:

F36-SMB (3')
(1) SMB-plug to F-female adapter cable
F36-SMB-10 (3')
(10) SMB-plug to F-female adapter cables

3 Foot SMB-Plug to F- Female Adapter Cable

Models: F36SMBS and F36SMBS-10

Used for mating RG-6 cable to XM and Sirius radios. The cable length (and weight) has been optimized to avoid placing excessive mechanical stress on the radio's panel mounted SMB-jack.
(F-female jack to SMB-straight plug.)

Includes:

F36-SMBS (3')
(1) SMB-plug to F-female adapter cable
F36-SMBS-10 (3')
(10) SMB-plug to F-female adapter cables

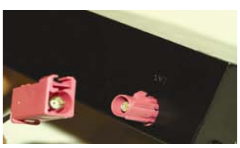
Connector Series & Gender Identification

F-Female **F-Male** **SMA-Male** **Mini USB** **SMB-Jack** **SMB-Plug**

RG-6 **Older XM & Sirius** **XM Connect-and-Play** **XM & Sirius XM Plug-and-Play**

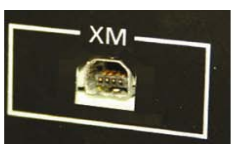
FAKRA

Automotive & Marine



Mini-USB Panel Mount

XM Connect & Play



SMB Panel Mount

XM & Sirius

Amplifiers & Antenna Cable Extenders

Ultra Wide Band Line Amplifier for AM, FM, HD Radio, Over- the- Air TV, and Satellite Radio

Model: MBA-12

As opposed to standard line amps, this unit has been specially designed to amplify signals from the bottom of the AM broadcast band (500 kHz) to beyond the top of the satellite radio band (2.4 GHz). With such a wide pass-band it is very useful for overcoming splitter and cable losses in whole-house and commercial RF coaxial cable distribution networks for signals used in all types of entertainment systems.

It is also designed to pass DC from its input port to its output port.

It can be used in tandem with Model MBS-4 ultra-wide-band splitter to implement lossless splitters.

Frequency Range: 500 KHz - 2.4 GHz
Typical Gain: 12 dB
Operating Voltage: 5-12 VDC
Current Consumption: 50 ma @ 5 VDC, 95 ma @ 12 VDC
Max Noise Figure: 3.5 dB
Max Output (Satellite Radio Band): 10 dBm
Max Output (AM/FM, UHF TV Bands): 5 dBm
DC power passing in both directions

Includes:

(1) F-71
(1) MBA-12 Amplifier

Compensate for Cable Loss with 'Satellite Radio Rated' Line Amplifiers

High Gain Line Amplifier
Model: SBA-1

This line amplifier is rated to provide 16dB of gain between 2320 and 2345 MHz when powered at 4.5 VDC (minimum) and is intended for use in overcoming cable and splitter losses in satellite radio distribution networks. It is powered from the DC bias voltage provided by the radio at its antenna input port.

- Compatible with XM or Sirius
- Available individually or in packs of 10

Operating Voltage: 2-12 VDC
Current Consumption: 10ma @ 4.5 VDC, 40ma @ 12 VDC
Max Output: 0.5 dBm @ 4.5 VDC
Max Noise Figure: 5 dB

Includes:

SBA-1
(1) line amplifier
(1) F-male to F-male splice

Amplifiers & Antenna Cable Extenders

Extend Satellite Radio Home Kit Antenna Cables to almost any length

RG-6 Cable Extender Kit
Model: EXT-1

This kit includes the connectors and adapters to permit the use of standard RG-6 cable *(not included)* with satellite radio home kit antennas. When used with the included amplifier, this kit can extend the antenna cable up to 125 feet (for a total of 145 feet with a home antenna with a 20 foot attached cable).

Multiple amplifiers (one Model SBA-1 for each 125 foot segment) can be used to make longer cables.

For antenna installations involving runs in excess of 375 feet, the use of a power inserter is recommended to overcome the DC drop through the cable, thereby providing enough DC voltage to power the amplifiers and low noise amplifier.

A 3 foot length of small diameter coaxial cable (F36SMB) is supplied with an SMB-plug to mate with the radio.

Includes:

(1) SMBF
(1) F36SMB
(1) SBA-1

SiriusXM SATELLITE RADIO

Extend Satellite Radio Home Kit Antenna Cables to almost any length

RG-6 Extension Cable
Model: PRO-100

Premium, high-quality, low loss amplified cable extension kit.

This antenna extension cable is designed to operate with any satellite radio antenna (purchased separately) to extend the cable length 100 ft. (Lengths up to 300 feet can be accommodated by cascading three cable kits).

Includes COAX-SEAL® for ultimate weather-proofing.

Kit includes:

(1) SMB to F adapter
(1) SBA-1 High-gain amplifier
(1) 100' premium RG-6 cable with F connectors
(1) 3' F-female to SMB-plug adapter cable
(2) COAX-SEAL®

Antennas

High Gain Antenna System Receives XM or Sirius

Professional High Gain Antenna System
Model: PRO-500

- Receives XM or SIRIUS
- Optimized for interference / multi-path rejection and high gain reception of satellite radio signals
- Mounts to any horizontal or vertical surface via the included wall mount bracket
- Includes pole fixture for mounting to any pole up to 2" diameter *(pole not included)*
- High gain 12 dBi antenna (5 dB more gain than standard antennas)
- Includes internal two-stage ultra-high selectivity low-noise amplifier/ filter providing over 60 dB out-of-band attenuation to other RF signals that can interfere with reception
- Antenna amplifier / filter can drive up to 200 feet of RG-6 cable (not included). (Additional line amps available for longer runs: Model SBA-1)
- Includes 3 foot F-female to SMB-plug adapter cable to mate with radio.

Includes:

(1) 12 dBi amplified antenna
(1) Wall mount bracket
(1) Pole Mount bracket
(1) Weather boot
(1) 3' F-female to SMB-plug adapter cable
(1) Set of mounting screws / hardware

SiriusXM SATELLITE RADIO

Dual Mode Satellite Radio Antenna Receives XM and Sirius Simultaneously

Model: PRO-600

The first high-quality, future-proof home antenna designed for simultaneous reception of both XM and Sirius.

- 70 ° beam-width for easy alignment and mounting
- Can drive up 200 ft of RG-6 cable with no external amplifiers required. (Additional line amps available for longer runs: Model SBA-1)
- AZ & EL adjustments for optimum aiming
- Two-stage high-quality filtering for ultimate rejection of out-of-band interference
- High-quality aluminum mount (no plastic parts)
- Mounts to any horizontal / vertical surface or pole up to 2 inches in diameter
- Works with any XM or Sirius radio
- Uses 'industry standard' low loss, RG-6 cable (not included)

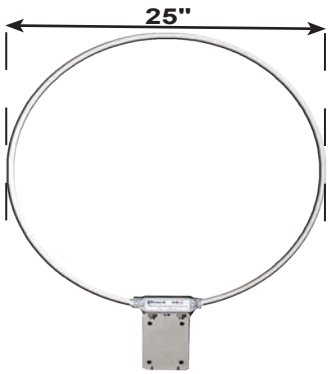
Includes:

(1) High gain antenna panel
(1) AZ / EL adjustable surface-mount bracket
(1) Pole-mount for attachment to poles up to 2 inches in diameter
(1) COAX-SEAL® for ultimate connector weather proofing
(1) 3 ft F-SMB adapter cable

Antennas

Ultimate AM Broadcast Band Antenna

Model: AM-2
NEW Smaller Size Amplified Shielded Magnetic Loop
(Replacing Model: AM-1)



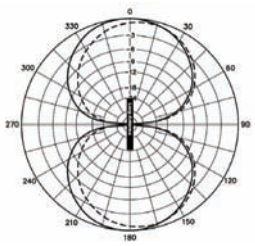
This design has long been recognized by professional broadcast engineers, the military and serious amateur radio operators as the ideal solution for Medium Wave reception with a relatively small antenna. It takes advantage of the fact that radio waves consist of two components, an electrostatic field (E-wave) and a weaker magnetic field (or H-wave). Unlike standard ferrite loops, dipoles and long-wire antennas, it's optimized to respond to the magnetic H-field component of the received signals and shielded from the electrostatic E-wave component of the received electromagnetic wave. Since most local interference (particularly AC power line radiated noise) has a large electrostatic E-wave component, it's exceptionally effective at reducing this kind of interference and making it possible to receive signals obscured by local man-made noise sources.

Wide Dynamic Range Low-Noise Preamplifier

The internal low-noise preamplifier is an extremely wide dynamic range differential type with exceptionally low inter-modulation distortion in the presence of high level signals. This is particularly important when trying to receive distant signals when the antenna is located near much higher power transmitters. The amplifier is powered via an included 12 VDC power supply and is optimized for maximum gain in the 500 kHz – 1700 kHz AM broadcast band. Unlike other loop antennas available, no special tuning is required for reception of the entire band.

'Figure Eight' Reception Pattern

This antenna is directional and has a "Figure Eight" reception pattern with deep nulls located at right angles to the open loop. This characteristic can also be used to help minimize interference that can be localized to a particular direction.



Loop Antenna Pattern (looking down)
edge on from above antenna

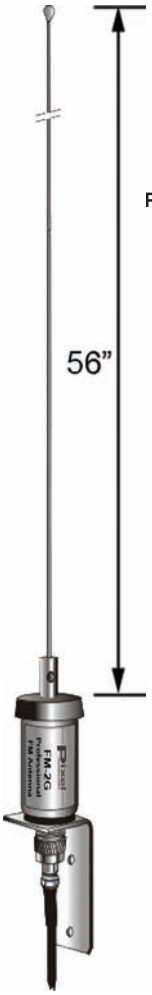
Mounting Options & Accessories

For best results it should be located outdoors as far away as possible from local noise sources. It can be located at ground level and camouflaged in a tree or shrubbery. It will also operate inside an attic or garage attached to a wall, but should be mounted away from metallic objects that will distort the reception pattern. It includes an L-bracket fixture for mounting to poles up to two inches in diameter. It's constructed of high-strength ¾ inch aluminum tubing capable of withstanding winds over 100 mph. All required mounting accessories are included. It is compatible with standard RG-6 cable and F-Type connectors. (For best results use quad shielded cable.)

Kit Includes:

- **(1) Loop Antenna**
- **(2) Saddle clamps**
- **(1) Set of mounting bolts and washers**
- **(1) weather boot**
- **(1) Twin lead to F-female adapter**
- **(1) L-Bracket pole mount**
- **(2) U-bolts**
- **(2) Wall mount clamps**
- **(1) Power inserter**
- **(1) 12 VDC power supply**

Antennas



FM Dipole Antenna

Model: FM-2G PRO
Omni-Directional FM base-loaded Dipole

Provides excellent medium distance coverage for urban and suburban reception situations.

- Very low-profile, light-weight design
- Barely visible mounted outdoors: No HOA problems
- Easy to install stainless steel construction
- All hardware for pole or wall mounting included
- Includes professional lightening ground and surge protector
- Uses COAX-SEAL® for ultimate weather-proofing

See www.V-Soft.com for a listing of all your local station’s field strengths in any zip code.

AM / FM/ HD Radio Outdoor Antenna

Model: AFHD-4

Designed for easy outdoor or attic installation with rugged pro-quality construction, this low profile omni-directional antenna will bring out the best performance from any AM/ FM or HD Radio receiver.

- Pro-quality AM/FM/HD radio antenna
- All signals combined on a single RG-6 cable (not included)
- Includes surge protector and all required adapters and jumpers
- Pole and wall mount capability
- Capable of driving up to 200 ft of cable
- No preamplifiers or external power supplies required
- 4 ft omni-directional monopole requires no ground plane

Recommended for reception of AM stations with at least 5 mV/m field strength and FM stations with at least 74 dBuV/m field strength.

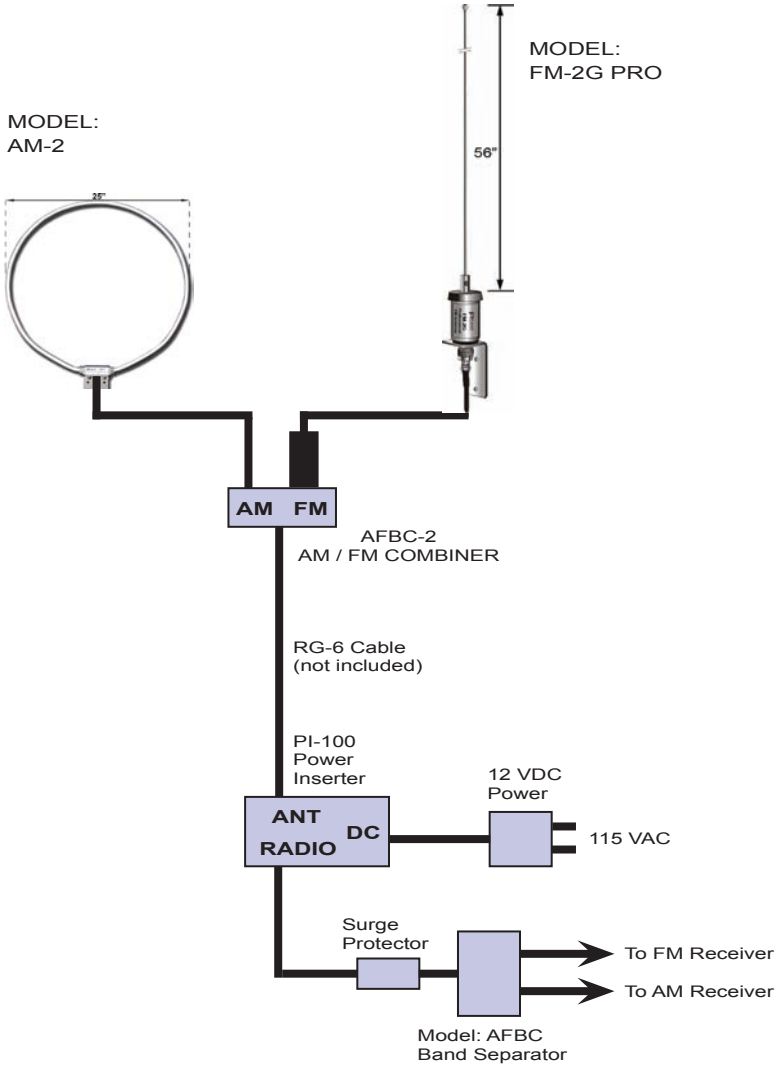
(See www.V-Soft.com for a listing of all your local station’s field strengths in any zip code.)

(Pole not Included)

Antennas

Ultimate AM / FM Combo

Model: AMFM-1
"Best of Class" AM /FM Reception Kit



This kit includes everything required for achieving very high quality AM / FM reception. It features the highly-regarded AM-2 Magnetic Loop AM Antenna and the FM-2G PRO Omni-Directional FM base-loaded Dipole. Also included are all the necessary accessories to combine the signals from each antenna on a single lead-in wire and separate them at the AM /FM receiver.

The AM antenna uses a shielded-loop design that has long been a favorite of the Military, broadcast professionals and serious Ham Radio operators for use in rejecting local interference that typically degrades AM reception in buildings and homes. It can be mounted outdoors, in an attic or at ground level.

The FM antenna is well-suited for high-quality reception in most urban and suburban situations and, for best results, should be mounted as high in the air as practical. Many users report good results when it is located indoors. While this type of antenna does not have the gain of large FM Yagis (like the Pixel FMYAG-1), its very low profile design is almost invisible in outdoor installations and does not present the kind of problems the larger antennas have with cosmetics and Home Owners' Associations.

Both antennas also include all the required installation hardware for wall or pole mounting.

Antennas

High Gain AM / FM Yagi Antenna

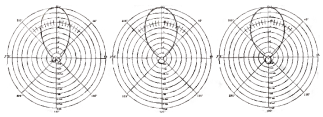
Model: FMYAG-1

Optimized for Fringe FM Reception. Can also be used for local AM reception with included AM / FM band Splitter Kit.

For the very finest home stereo reception from FM analog and Digital FM HD Radio stations at ranges up to 50 miles; the FMYAG-1 is the premier FM antenna of choice from Pixel. Because of the excellent low-frequency response of the antenna's built-in 300 ohm to 75 matching transformer, we were able to combine this antenna with our AM/FM band splitter kit that exploits the antenna's 8 active elements capability to also receive signals in the AM Band. While not the perfect AM antenna (see our Model AM-2), it provides surprising good AM reception due to the large surface area of these elements. The FMYAG-1 is ruggedly constructed and designed to withstand adverse weather, while virtually eliminating multi-path distortion and signal fading in the FM Band for stations within its reception range. This is a very directional antenna in the FM Band (see Polar Patterns above) and must be oriented properly towards the desired stations to achieve best reception. In the AM Band it receives signals equally well from all directions. An inline surge protector is included to provide protection from electrostatic discharge and nearby lightening strikes that can damage sensitive receiver electronics. This is a passive antenna and no pre-amplifier is required or recommended. All required accessories, adapters and jumper cables are included to mate with any AM/FM receiver. Also includes a set of attenuators to reduce signal levels if required.

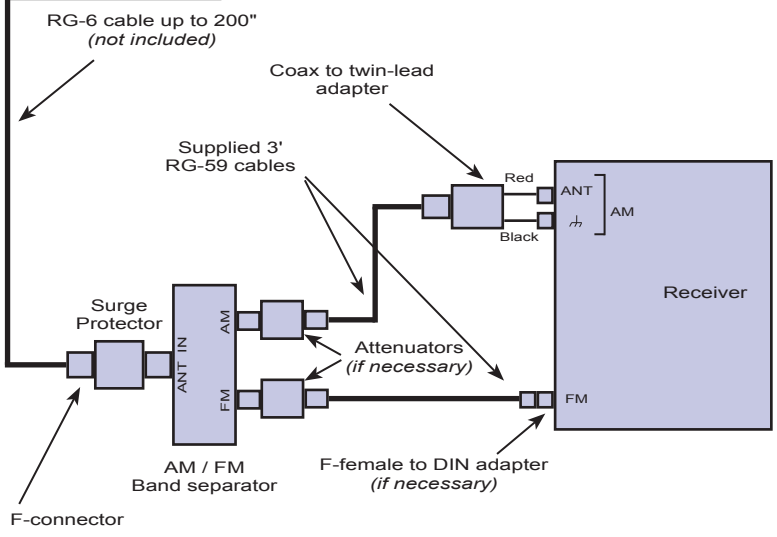
FMYAG-1

Polar Patterns



88 MHz 98 MHz 108 MHz

Gain: 8 dB (over reference dipole)
Beamwidth at half power points: 53" (at 98 MHz)
Front to Back Ratio: 19 dB (at 98 MHz)
Active Elements: 8
Boom Length: 82"
Width: 72"
Shipping Weight: 10 lbs
Carton Dimensions: 6" x 6" x 60"



Kit Includes:

- **(1) YAGI Antenna**
- **(1) Surge Protector**
- **(1) AM / FM Band Separator**
- **(2) 10 dB Attenuators**
- **(2) 20 dB Attenuators**
- **(2) 3' RG-59 Jumper Cables**
- **(1) Twin-lead to F-female AM Antenna Adapter**
- **(1) F-female to DIN Adapter**
- **(1) Weather Boot**

Antennas

Receive AM/FM + XM or Sirius + HDTV (by adding any UHF Antenna)

Model: AFXSM-6
Universal Outdoor Antenna Kit & Multiplexer

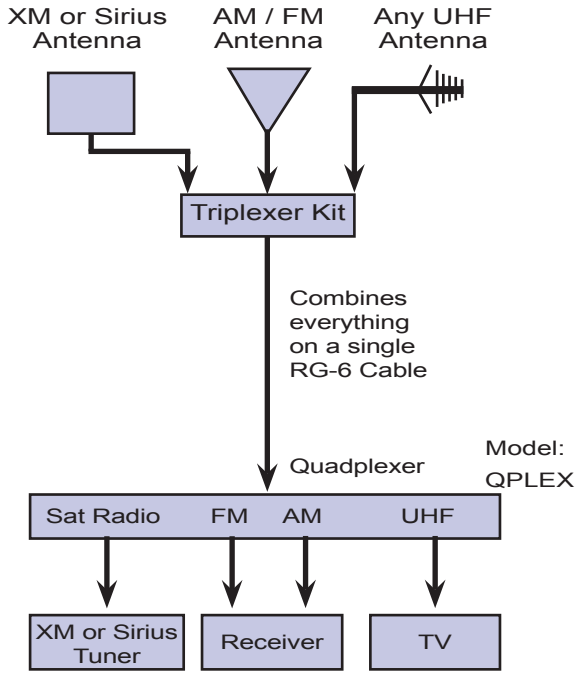
This kit includes an AM/FM antenna, an XM or Sirius antenna, a Triplexer Kit and a Quadplexer. Adding any over-the-air UHF TV antenna provides HDTV reception. ***All signals are combined onto one RG-6 cable*** and then split out at the destination receiver.

Recommended for reception of AM stations with at least 5 mV/m field strength and FM stations with at least 74 dBuV/m field strength.

(See www.V-Soft.com for a listing of all your local station's field strengths in any zip code)

Kit Includes:

- (1) XM-Sirius antenna Model PRO-600 (AFXSM-6)
- (1) AM /FM 4' antenna
- (1) Quadplexer (indoor unit)
- (1) Triplexer (outdoor unit)
- (1) 3 ft F-female to SMB-plug satellite radio adapter cable
- (1) F-female to twin-lead AM radio adapter
- (1) Universal AZ/EL wall / pole mount bracket
- (2) 20 dB attenuators
- (2) 10 dB attenuators
- (6) Weather boots
- (1) F-male to DIN adapter
- (1) Pole mount L-bracket
- (1 Lot) Pole mount hardware



Additional Quadplexers (Model: QPLEX) available separately for multi-receiver installations.

Distribution Accessories

AM / FM Expansion Kit

Model: AF Kit

For use with Model: AFHD-4 AM / FM Antenna.

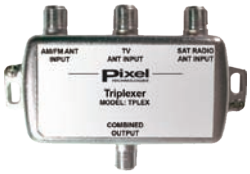
Provides required components to add one additional AM / FM receiver to an AFHD-4 AM / FM antenna. Requires the addition of a splitter (MB-2 or MBS-4).

Kit Includes:

- **(1) AM Twin Lead Adapter**
- **(1) F-Male to DIN Adapter**
- **(1) Surge Protector and AM / FM Band Separator**
- **(2) 10 dB Attenuators**
- **(2) 20 dB Attenuators**
- **(2) 3 ft RG-59 Cables**

AM / FM, Satellite Radio & Broadcast TV Triplex Combiner

Model: TPLEX



Combines the output of an AM / FM antenna, satellite radio antenna, and television antenna (for channels 7 and higher) onto a single coax cable. Contains a 9 dB satellite radio amplifier. Requires 5 VDC on the coax cable to power the amplifier. Recommended for use with Pixel satellite radio and AM / FM antennas

AM / FM, Satellite Radio & Broadcast TV De-Multiplex Kit

Model: QPLEX

Provides required components to add one additional AM / FM, Satellite Radio and Broadcast TV receiver (for channels 7 - 69) to a AFXSM-6 antenna kit.

Requires the addition of a splitter (MBS-4).

Includes:

- **(1) Quadplexer Assembly**
- **(1) AM Twin Lead Adapter**
- **(1) F-Male to DIN Adapter**
- **(1) 3' F36SMB 90 degree cable**
- **(1) AF-71G: F-Male splice**
- **(1) 20 dB Attenuator**

Distribution Accessories

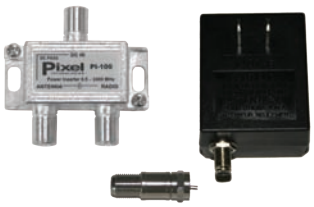
Provide DC Power for Antennas and Line Amplifiers

Power Inserters

These kits are for use in networks with long cables designed to distribute satellite radio signals. They are used to provide DC voltage at the antenna sufficient to power the antenna's internal low-noise amplifier and will supply ample voltage and current to run in-line amplifiers.

Model: PS-1 5 VDC Power Inserter Kit

Used to insert 5 VDC power into systems that have line amplifiers or antennas that require DC power. Max. current: 300 milliamps.



PS-1 Includes:

(1) Power Inserter
(1) Impedance Terminator
(1) 5 VDC Power Supply

Model: PS-12
12 VDC Power Inserter Kit

Used in systems that have high DC loss through splitters and cables to power antennas and line amplifiers. Max. current: 1 amp.

PS-12 Includes:

(1) Power Inserter
(1) Impedance Terminator
(1) 12 VDC Power Supply

Model: P5
5 VDC Power Supply

Regulated linear 5 VDC power supply with F-female output connector. Max. current: 300 milliamps.

P5 Includes:

(1) 5 VDC Power Supply

Model: P12
12 VDC Power Supply

Switching regulated 12 VDC power supply with 6 ft cable terminate with F-male connector. Max. current: 1 amp.

P12 Includes:

(1) 12 VDC Power Supply

Distribution Accessories

Power Passing Attenuators (For the 2.3 GHz Satellite Radio Band)

These attenuators are useful for adjusting signals in 75 ohm networks that carry satellite radio and are also required to pass DC voltage for powering in-line amplifiers and antennas

Model: PPA-10 *(10 dB attenuation)*

Model: PPA-20 *(20 dB attenuation)*

Resistive Pi Network Attenuators (For signals in the 500 kHz to 1 GHz range)

These attenuators are useful for adjusting levels in 75 ohm networks that carry AM/FM, cable TV or Broadcast TV. They are composed of resistive pi-networks that provide the specified attenuation. They cannot be used to pass DC and should not be used when DC is present (without adding a DC block).

Model: NPA-10 *(10 dB attenuation)*

Model: NPA-20 *(20 dB attenuation)*

DC Block (Model DCB)

This device is useful in blocking DC voltages in networks operating from 500 kHz to 2.4 GHz.

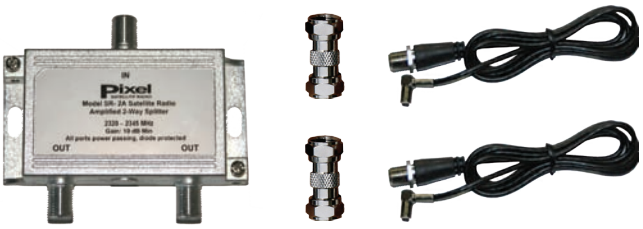
Surge Protector (Model 4645F)

This device is used in-line with 75 ohm coaxial cable networks to provide protection to sensitive electronics that may be damaged by electrostatic discharge and nearby lightening strikes. It has less than 3 dB of loss at frequencies up to 2.4 GHz.

Signal Splitters

Operate up to Two Satellite Radios from a Single Antenna

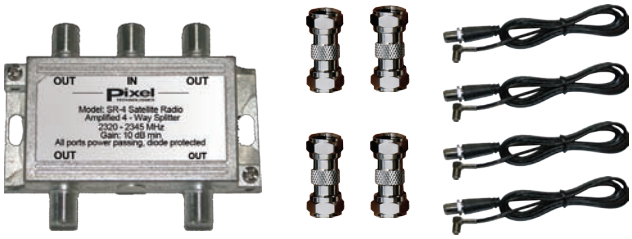
SR-2A Satellite Radio Active (10 dB)
Two-Way Signal Splitter



This signal splitter allows the connection of two satellite radios to a single antenna. It has internal diodes that pass DC voltage (antenna 5 VDC power) with less than 0.5 VDC of loss from the radio to the splitter's input port to provide power to the antenna from any radio connected to the outputs. Because of its' internal amplifier (with more than 10 dB net gain), the loss of the splitter is overcome and up to 90 feet of RG-6 cable can be attached to any radio output port.

The kit includes two 3 ft F-male to SMB-plug cables to mate with the radio and two F-71 (F-male to F-male) adapters.

SiriusXM SATELLITE RADIO



Operate up to Four Satellite Radios from a Single Antenna

Amplified 4-Way Splitter Kit
Model: SR-4

This amplified splitter is optimized for use with all satellite radio systems. It includes the adapters and accessories to permit operation of multiple satellite radios from a single antenna. In order to maintain the proper RF link budget for the radio, the splitter loss at 2.35 GHz has been compensated by an internal amplifier. This amplifier is powered by the DC voltage that is supplied by any of the radios connected to its output. The splitter will pass the DC voltage supplied by a radio at any output port to the splitter input port. This will provide power to any antenna connected to this port for the antenna's internal low-noise amplifier (LNA). Standard RG-6 cable with male F-connectors (not included) can be used to extend the output cable lengths. The splitter has 8dB of excess gain to permit output extensions of up to 70 feet. If cable extensions greater than 70 feet are desired, we recommend using Pixel Model: SBA-1 line amplifier(s) with the splitter. One amplifier (for example) placed at the input of the splitter will permit total cable lengths up to 150 feet from each individual output port to the radios.

This splitter has been designed with an output impedance that replicates that of a satellite radio antenna so the radio will operate in its normal mode without the need for external impedance terminating devices. Unused output ports do not have to be terminated for proper operation.

This splitter can also be cascaded with Pixel Models: SR-2A and MBS-4 couplers to form complex multi-port splitter networks as shown on the following page..

Signal Splitters

Wide Band 2-Way Passive Splitter

Model: MB-2

Splitter covers 500 kHz to 2.4 GHz. (One port power passing). Loss: 3.5 dB.

Wide Band 4-Way Passive Splitter (For AM/FM, HD Radio, Broadcast TV, Cable TV, and Satellite Radio)

Model: MBS-4

As opposed to standard splitters, this signal splitter has been specially designed to pass, with low-loss, signals from the bottom of the AM broadcast band (500 kHz) to beyond the top of the satellite radio band (2.4 GHz). With such a wide pass-band it is very useful for implementing whole-house and commercial RF distribution networks of signals used in all types of entertainment systems.

It is also designed to pass DC from any of its output ports to the input port via protection diodes that prevent DC feedback.

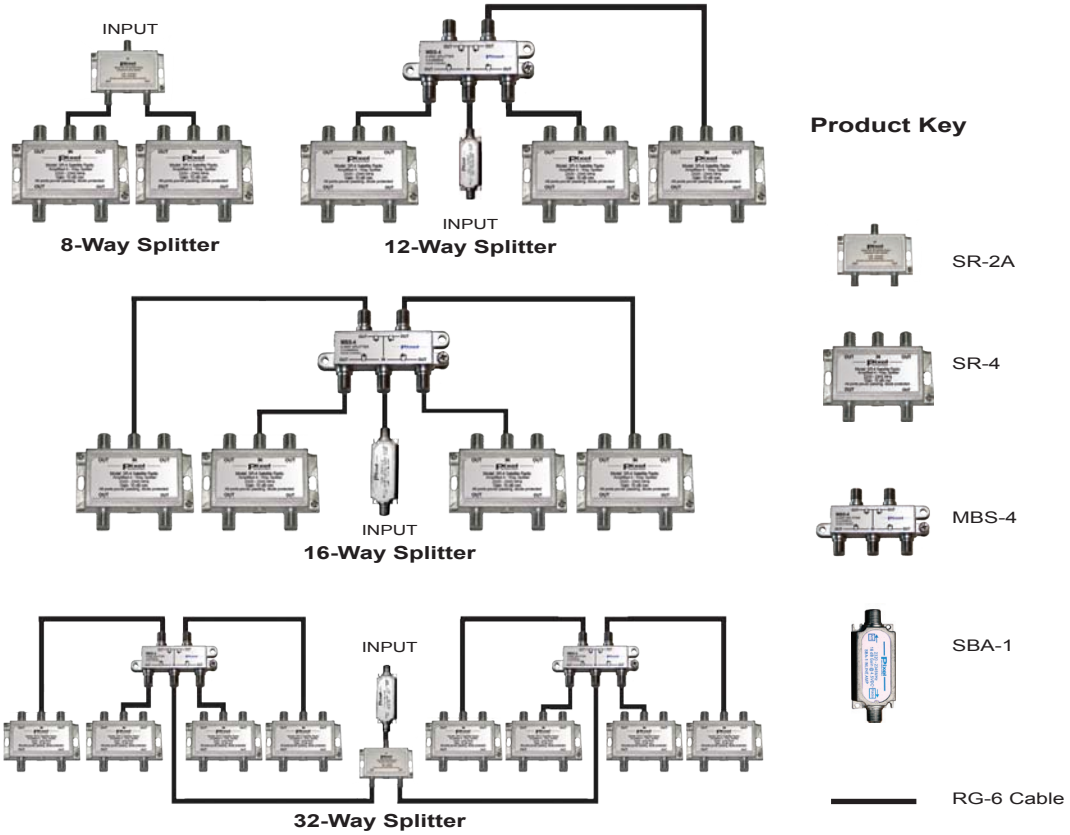
It can be used in tandem with model MBA-12 ultra-wideband amplifier to implement a lossless splitter.

Insertion loss: 12 dB
Diode Protection: All Ports

This splitter is not recommended for use in stand-alone satellite radio splitter configurations without additional external amplification and DC impedance terminations (for XM applications).

Make Complex Splitters with Easy-to-Use Building Blocks

Combine SR-4 Splitters in Multiple Radio Systems



Sirius & XM-Ready Receiver Tuner Kits

Everything needed to add XM to any 'XM Ready' Receiver

(Uses standard RG-6 Antenna Cable)

XM-Ready Pro-Pack

Model: XMR-6 (*With PRO-600 Antenna*)
Model: XMR-5 (*With PRO-500 Antenna*)

XHD2H1
XM Mini-Tuner

PRO-600 Antenna

This kit is for use with 'XM Ready' receivers and includes a PRO-600 or a PRO-500 Professional High Gain Antenna System, and an XHD2H1 Mini Tuner.

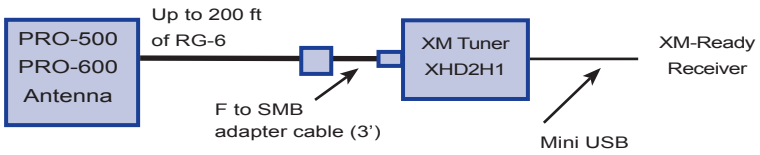
It permits the use of up to 200 feet of RG-6 cable between the antenna and the mini tuner. Longer runs are possible with the use of optional SBA-1 high gain line amplifiers.

XMR-6 Includes:

- (1) PRO-600 Antenna
- (1) XHD2H1 Tuner
- (1) F36SMB90
- (1) Hardware Kit

XMR-5 Includes:

- (1) PRO-500 Antenna
- (1) XHD2H1 Tuner
- (1) F36SMB90
- (1) Hardware Kit



SiriusXM SATELLITE RADIO

Everything needed to add Sirius to any 'Sirius-Ready' Receiver

(Uses standard RG-6 Antenna Cable)

Sirius-Ready Pro-Pack

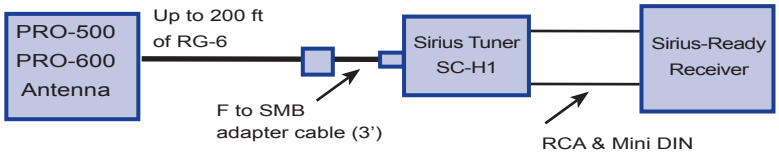
Model: SRR-6 (*With PRO-600 Antenna*)
Model: SRR-5 (*With PRO-500 Antenna*)

This kit is for use with 'Sirius-Ready' receivers and includes a PRO-600 or PRO-500 Antenna.

It permits the use of up to 200 feet of RG-6 cable between the antenna and the tuner. Longer runs are possible with the use of optional SBA-1 high gain line amplifiers.

Sirius Tuner

PRO-600 Antenna
SIRIUS-XM



SRR-6 Includes:

- (1) PRO-600 Antenna
- (1) F36SMB90
- (1) Hardware Kit

SRR-5 Includes:

- (1) PRO-500 Antenna
- (1) F36SMB90
- (1) Hardware Kit

Pixel Technologies Inc
14828 W 6th Avenue, Unit 3B
Golden, CO 80401

Ph: 303-526-1965
Fax: 303-526-7368

www.PixelSatRadio.com
info@PixelSatRadio.com

Appendix A

InLogis ProPak Dual Band
Professional Cell Phone Booster System
Wiring Diagrams

- Ultimate high-gain systems designed for larger homes, multi-dwelling establishments and commercial installations
- Dual band for 850 MHz and 1900 MHz Bands
- Compatible with all wireless devices using these bands
- Systems available to cover up to 40,000 square feet
- Includes all required hardware for up to four independent zones with separate indoor antennas and amplifiers
- Adjustable gain
- Includes indoor omni-directional or optional panel antennas and Yagi
- Optional outdoor high-gain directional panel antennas or 850 MHz Yagi
- Compatible with RG-6 cable
- F-connector interfaces

Available Models:

ProPak-1
One zone 1-amplifier system with indoor and outdoor omni-directional antennas

ProPak-2
Two zone 3-amplifier system with indoor and outdoor omni-directional antennas

ProPak-3
Three zone 4-amplifier system with indoor and outdoor omni-directional antennas

ProPak-4
Four zone 5-amplifier system with indoor and outdoor omni-directional antennas

ProPak-1P
One zone 1-amplifier system with indoor omni-directional antenna and outdoor high-gain directional panel antennas

ProPak-2P
Two zone 3-amplifier system with indoor omni-directional antennas and outdoor high-gain directional panel antennas

ProPak-3P
Three zone 4-amplifier system with indoor omni-directional antennas and outdoor high-gain directional panel antennas

ProPak-4P
Four zone 5-amplifier system with indoor omni-directional antennas and outdoor high gain directional panel antennas

ProPak-1PY
One zone 1-amplifier system with indoor omni-directional antenna and outdoor high-band directional panel antenna and low-band Yagi antenna

ProPak-2PY
Two zone 3-amplifier system with indoor omni-directional antennas and outdoor high-band directional panel antenna and low-band Yagi antenna

ProPak-3PY
Three zone 4-amplifier system with indoor omni-directional antennas and outdoor high-band directional panel antenna and low-band Yagi antenna

ProPak-4PY
Four zone 5-amplifier system with indoor omni-directional antennas and outdoor high-band directional panel antenna and low-band Yagi antenna

Free custom design service upon request.

Figure 1

One-Zone System

(With Outdoor Omni-Directional Antenna)

Model: ProPak-1

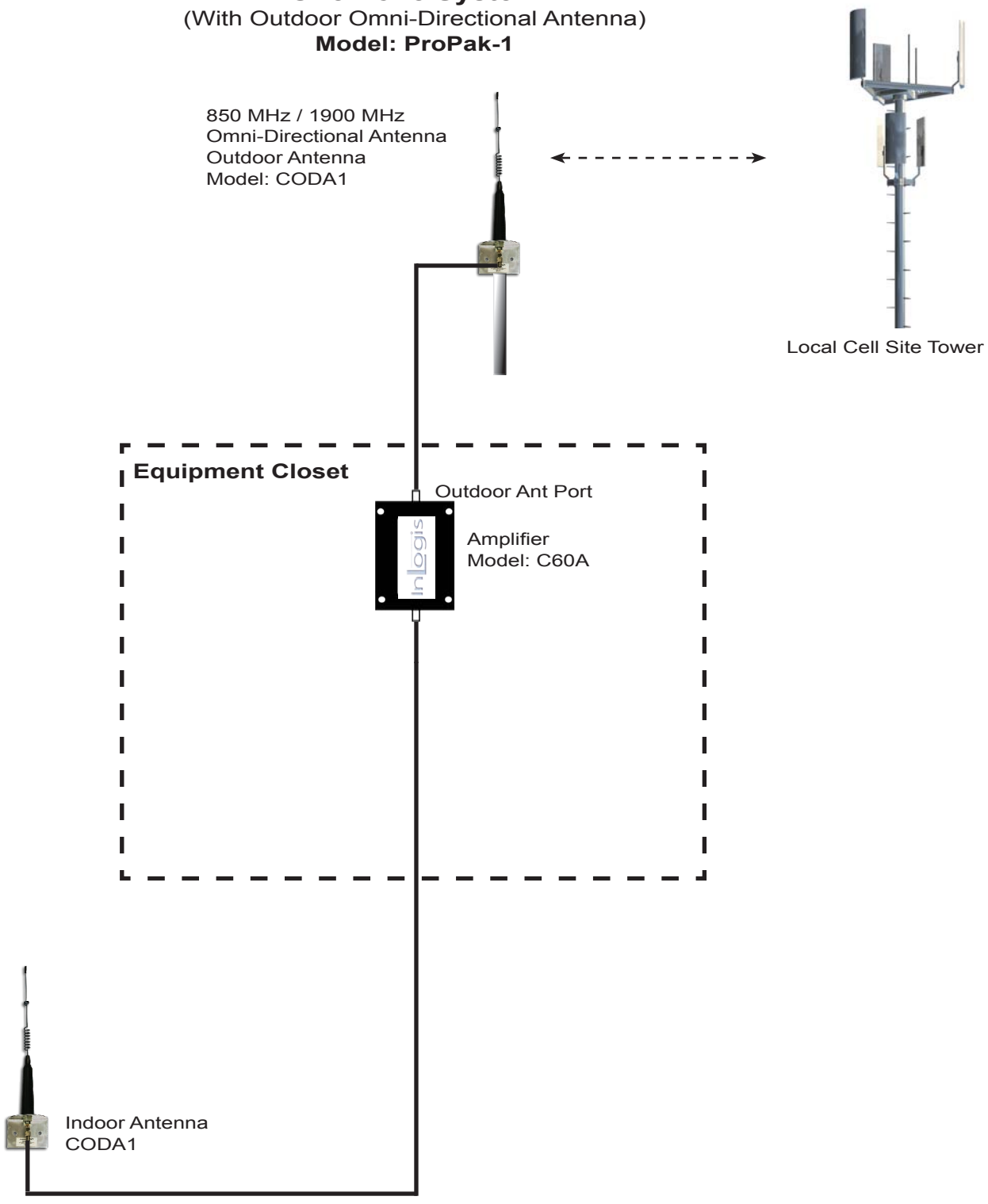


Figure 2

Two-Zone System

(With Outdoor Omni-Directional Antenna)

Model: ProPak-2

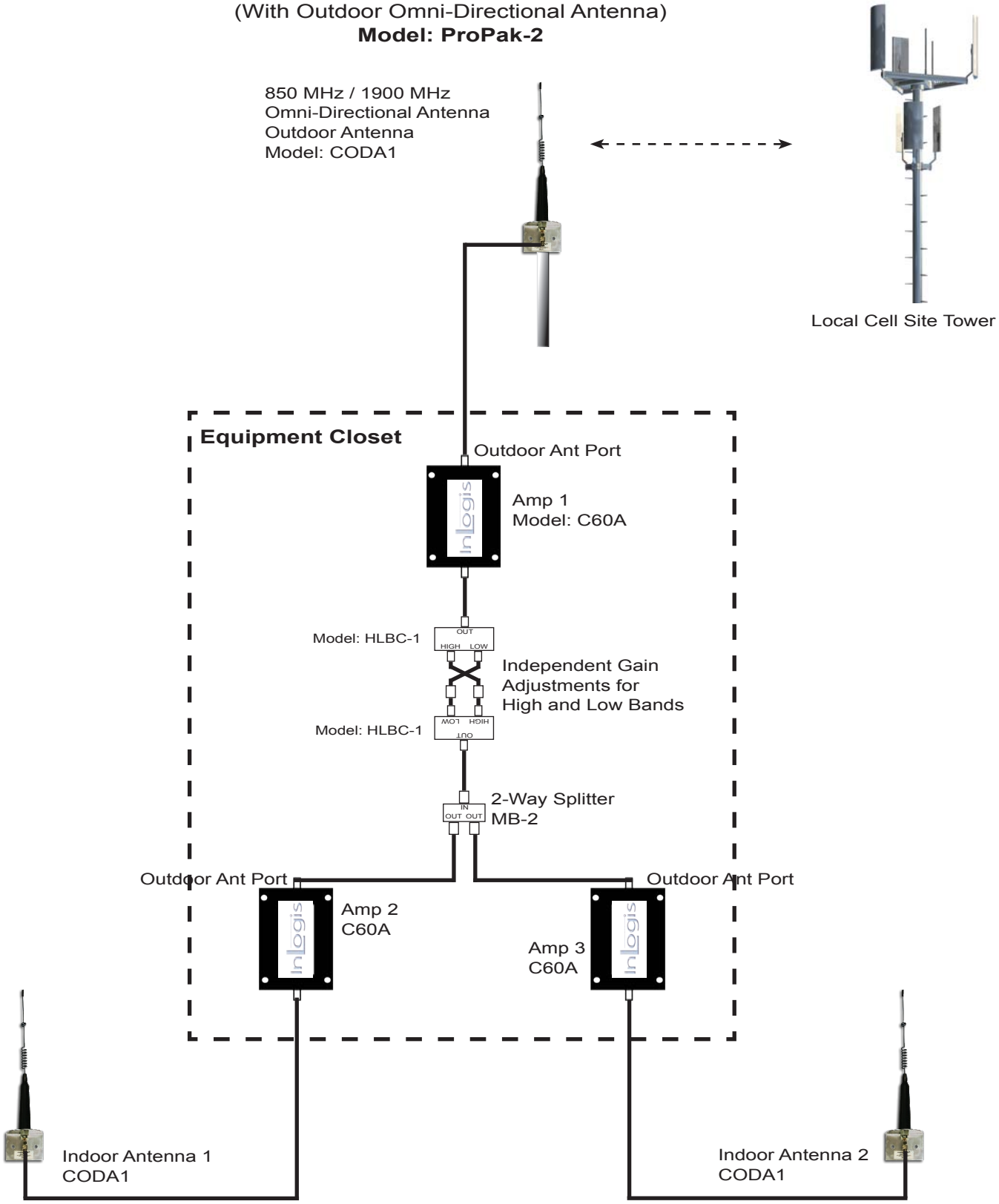


Figure 3

Three-Zone System

(With Outdoor Omni-Directional Antenna)

Model: ProPak-3

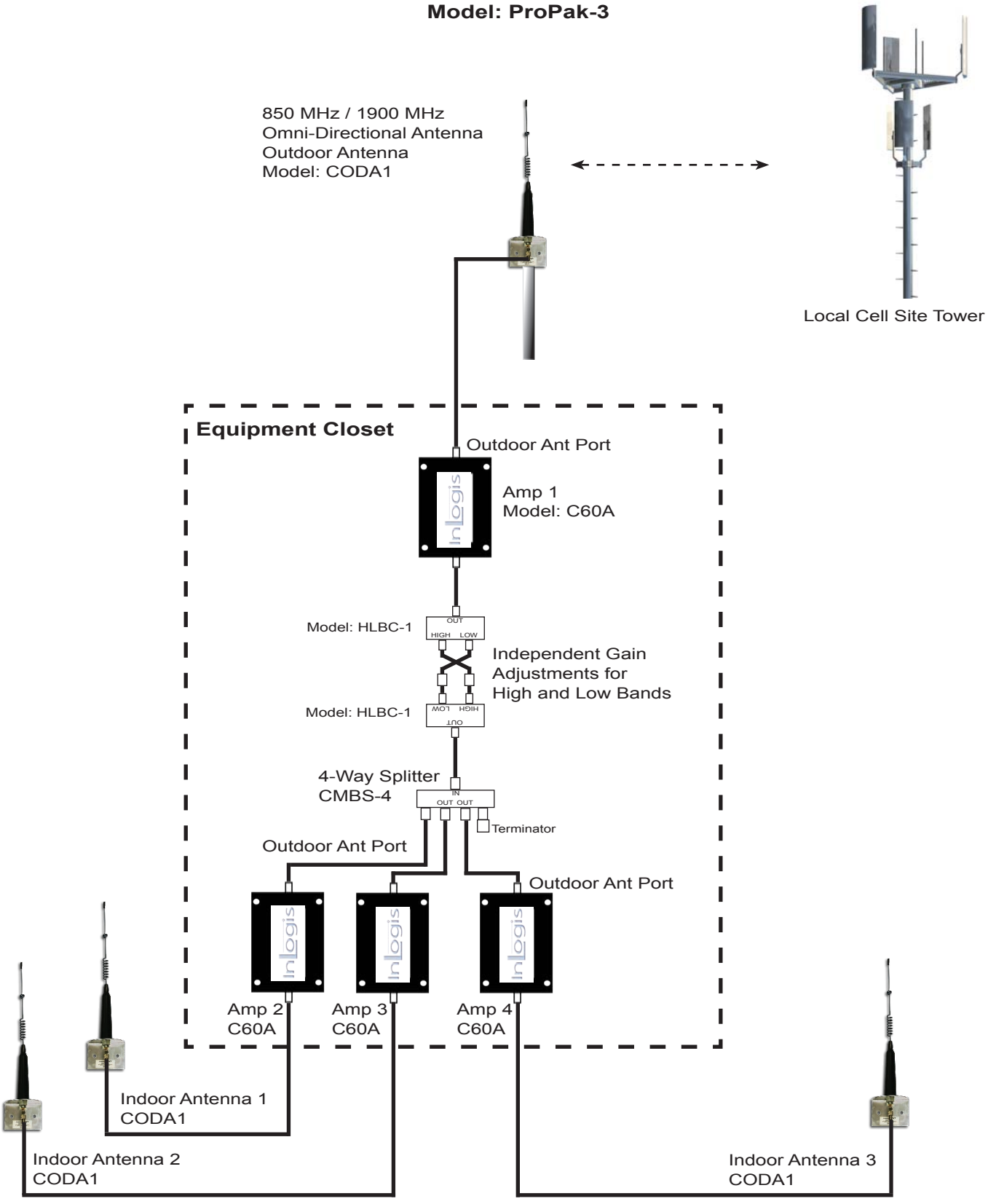


Figure 4

Four-Zone System

(With Outdoor Omni-Directional Antenna)

Model: ProPak-4

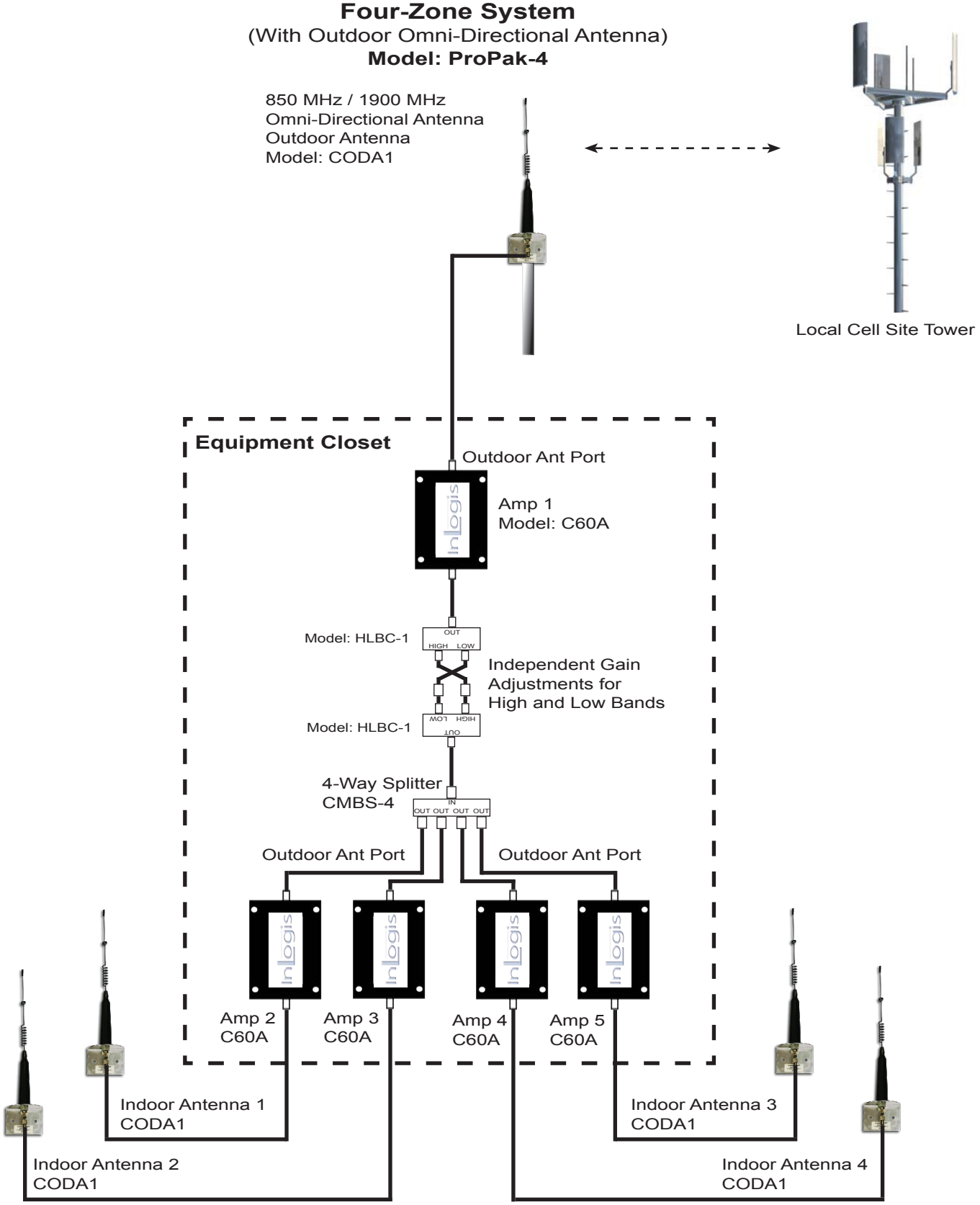


Figure 5

One-Zone System

(With Outdoor High Gain Panel Antennas)

Model: ProPak-1P

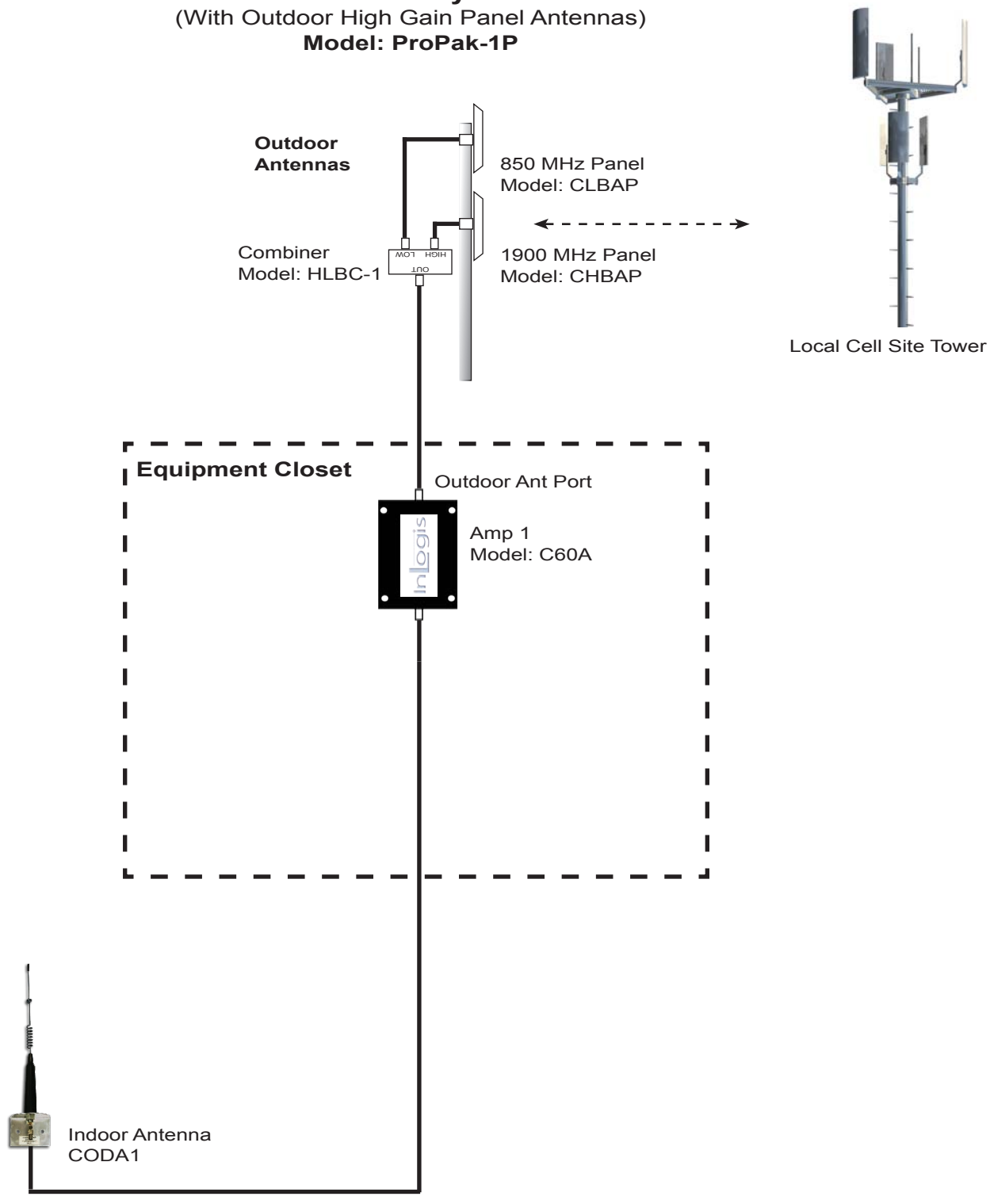


Figure 6

Two-Zone System

(With Outdoor High Gain Panel Antennas)

Model: ProPak-2P

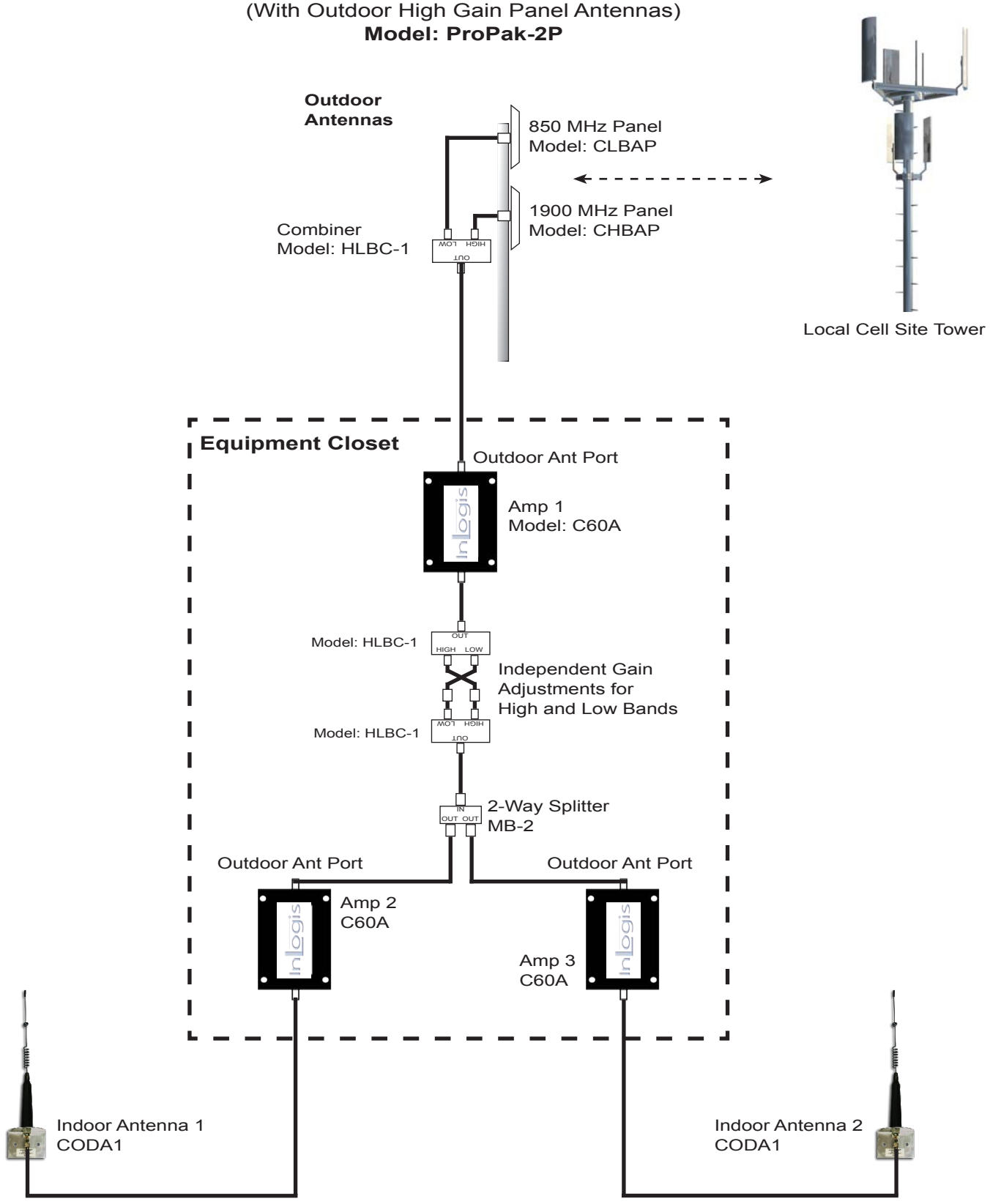


Figure 7

Three-Zone System

(With Outdoor High Gain Panel Antennas)

Model: ProPak-3P

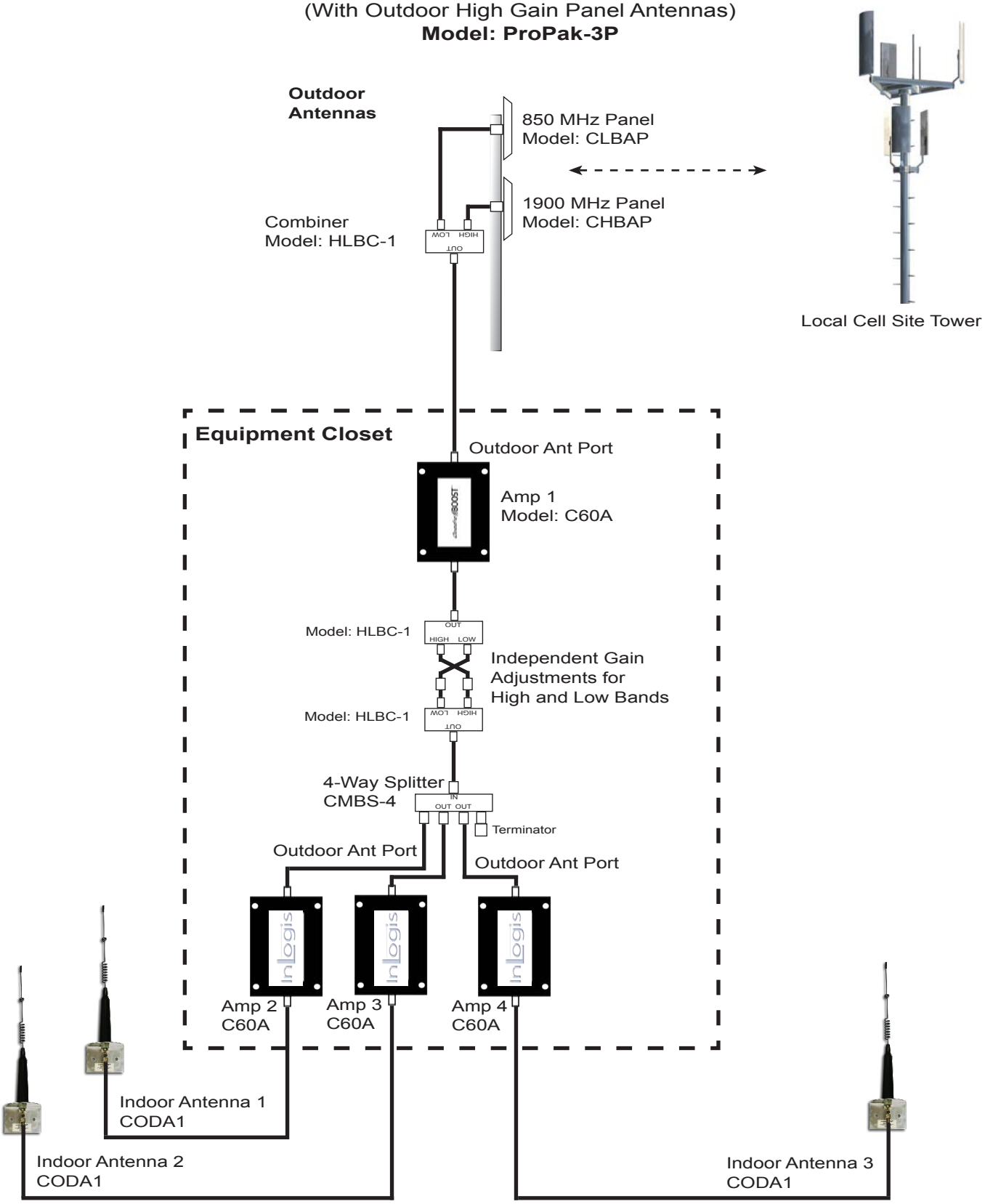


Figure 8

Four-Zone System

(With Outdoor High Gain Panel Antennas)

Model: ProPak-4P

Local Cell Site Tower

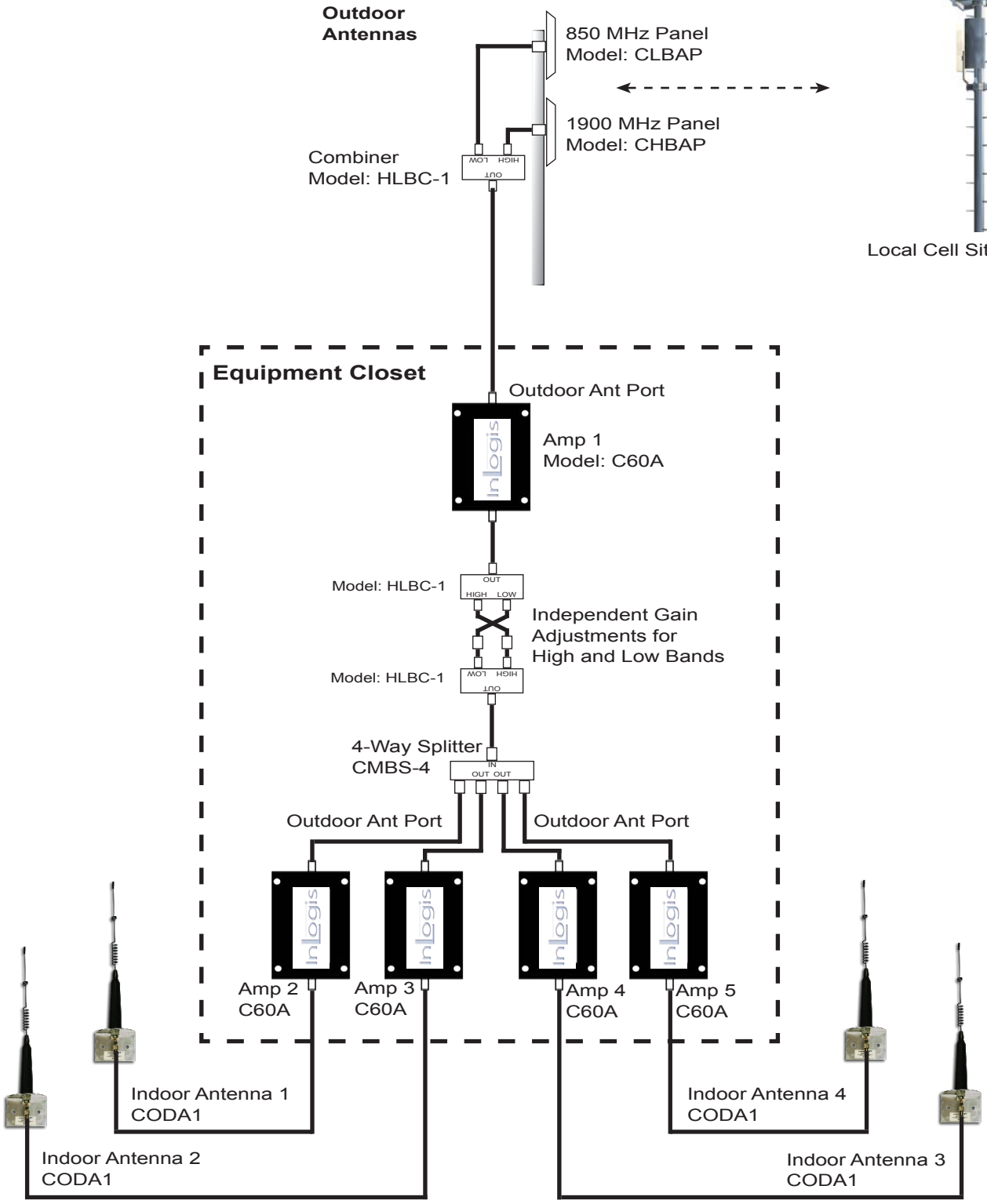


Figure 9

One-Zone System

(With Outdoor High Gain Low Band Yagi and High Band Panel)

Model: ProPak-1PY

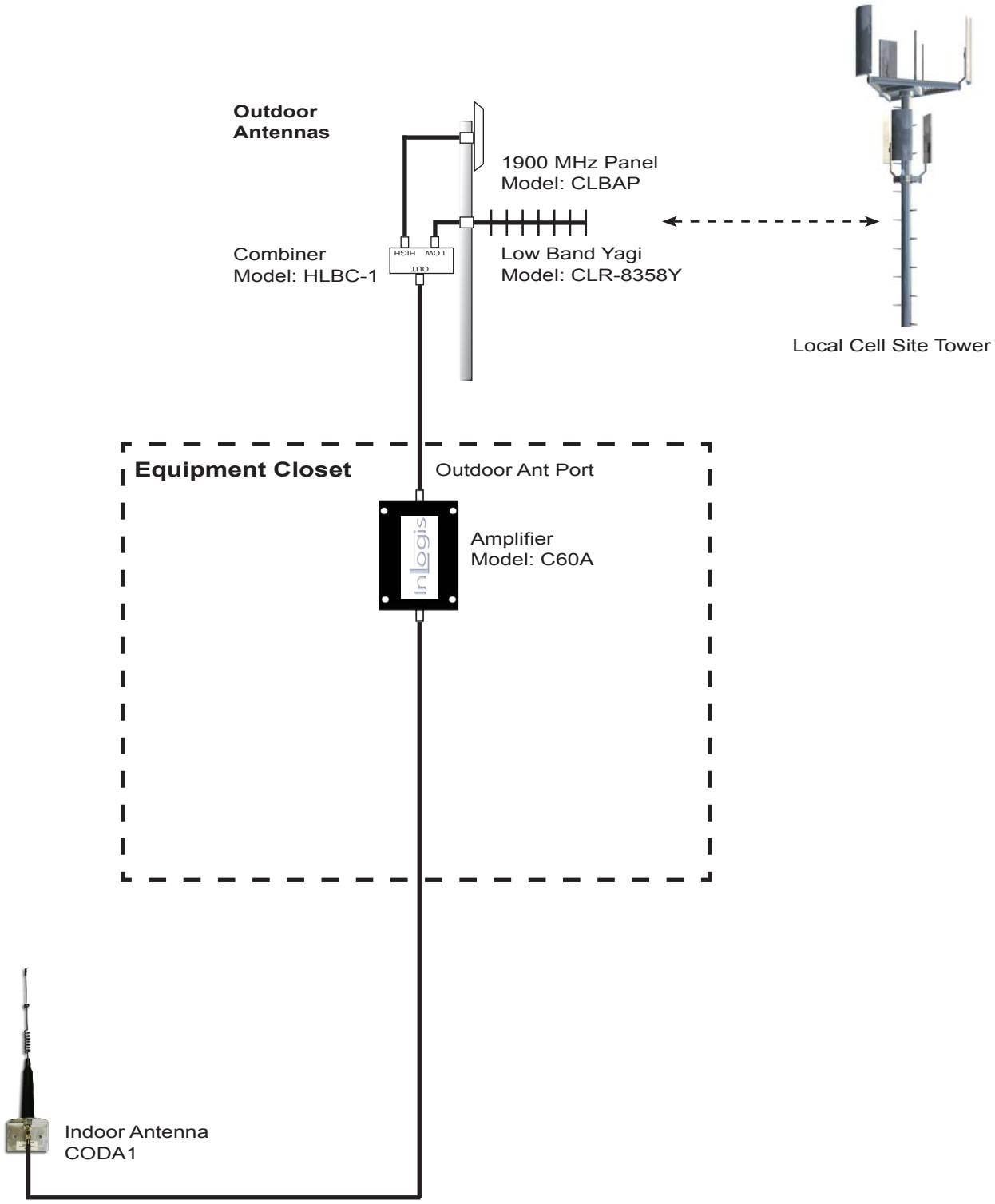


Figure 10

Two-Zone System

(With Outdoor High Gain Low Band Yagi and High Band Panel)

Model: ProPak-2PY

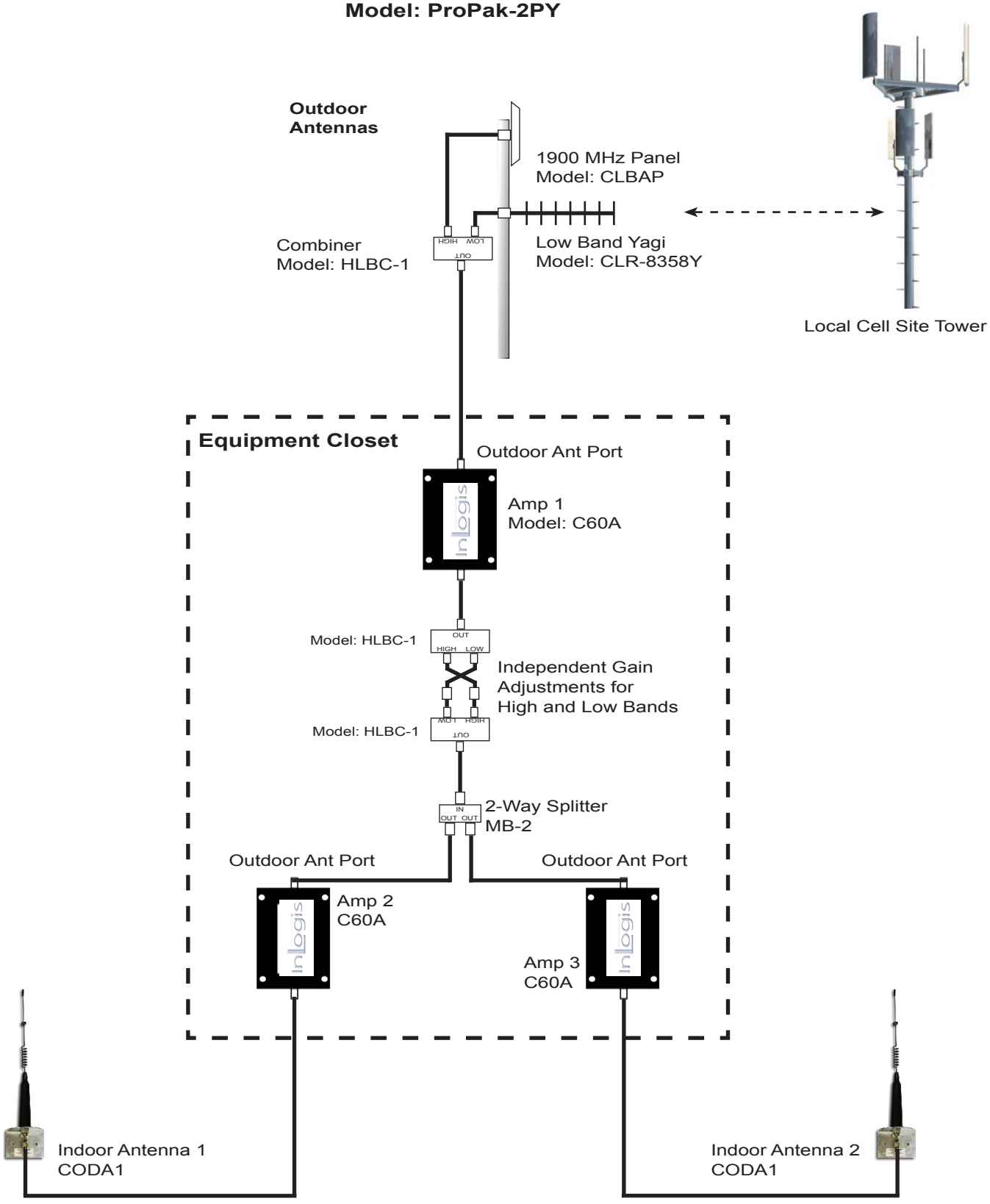


Figure 11

Three-Zone System

(With Outdoor High Gain Low Band Yagi and High Band Panel)

Model: ProPak-3PY

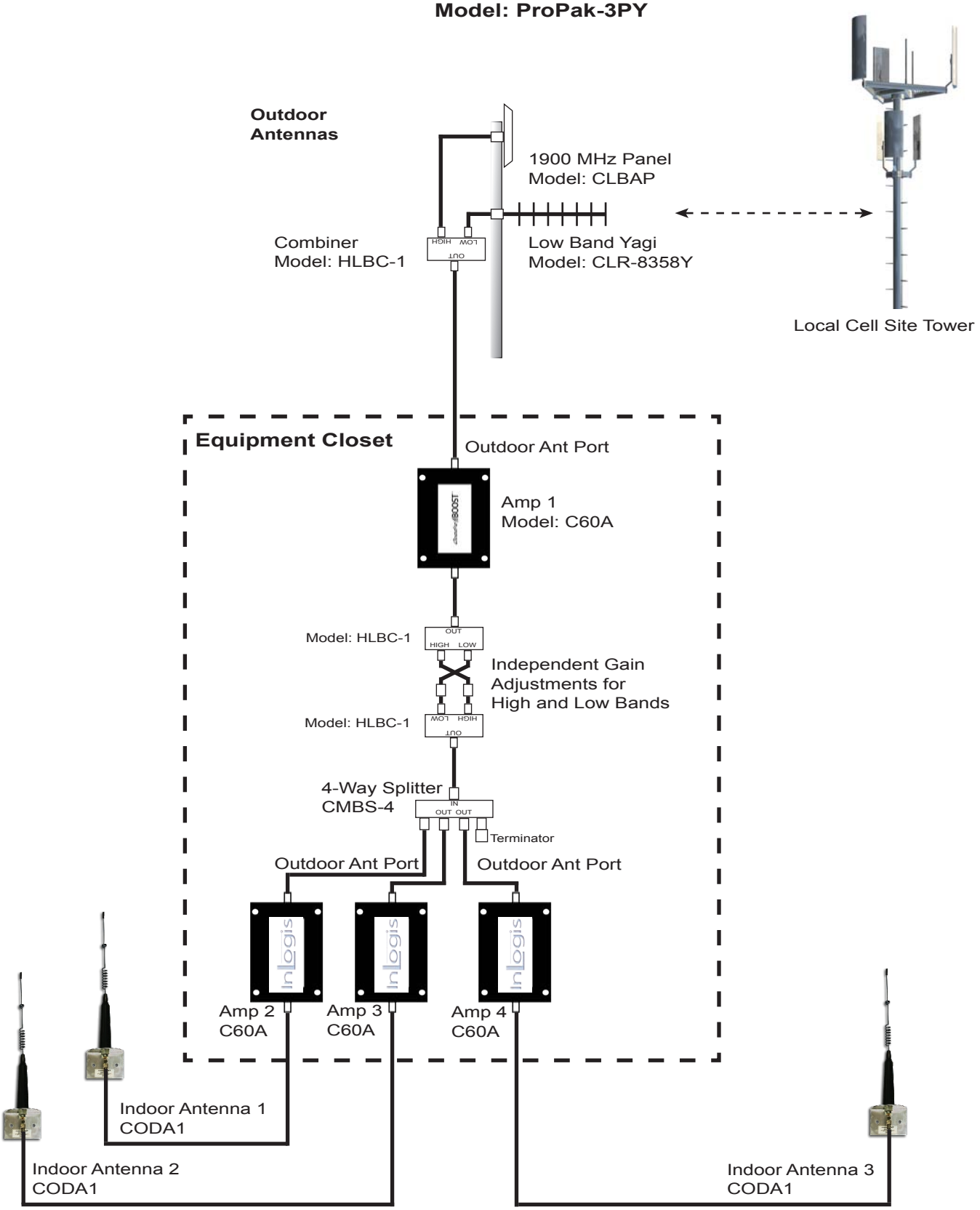


Figure 12

Four-Zone System

(With Outdoor High Gain Low Band Yagi and High Band Panel)

Model: ProPak-4PY

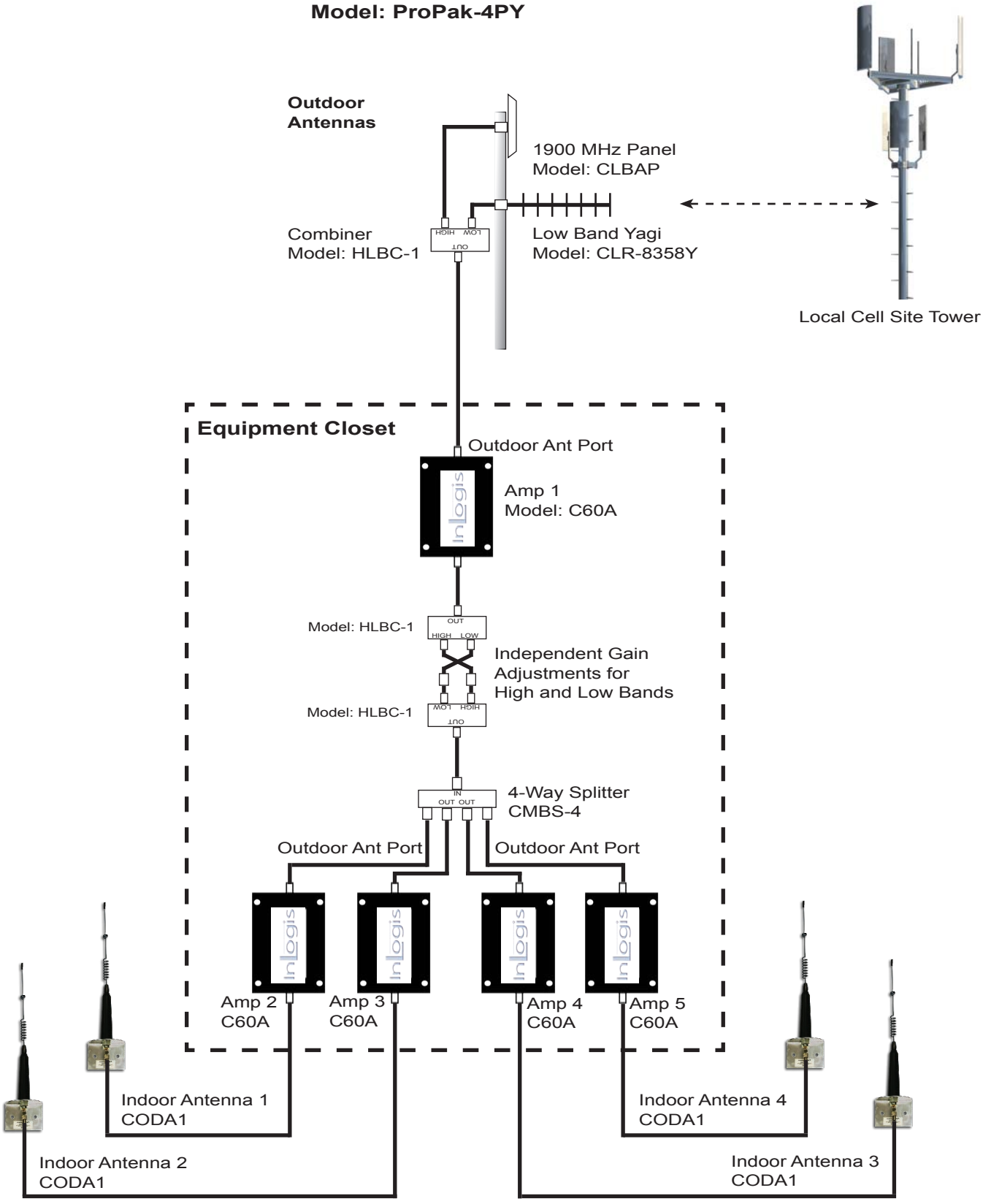
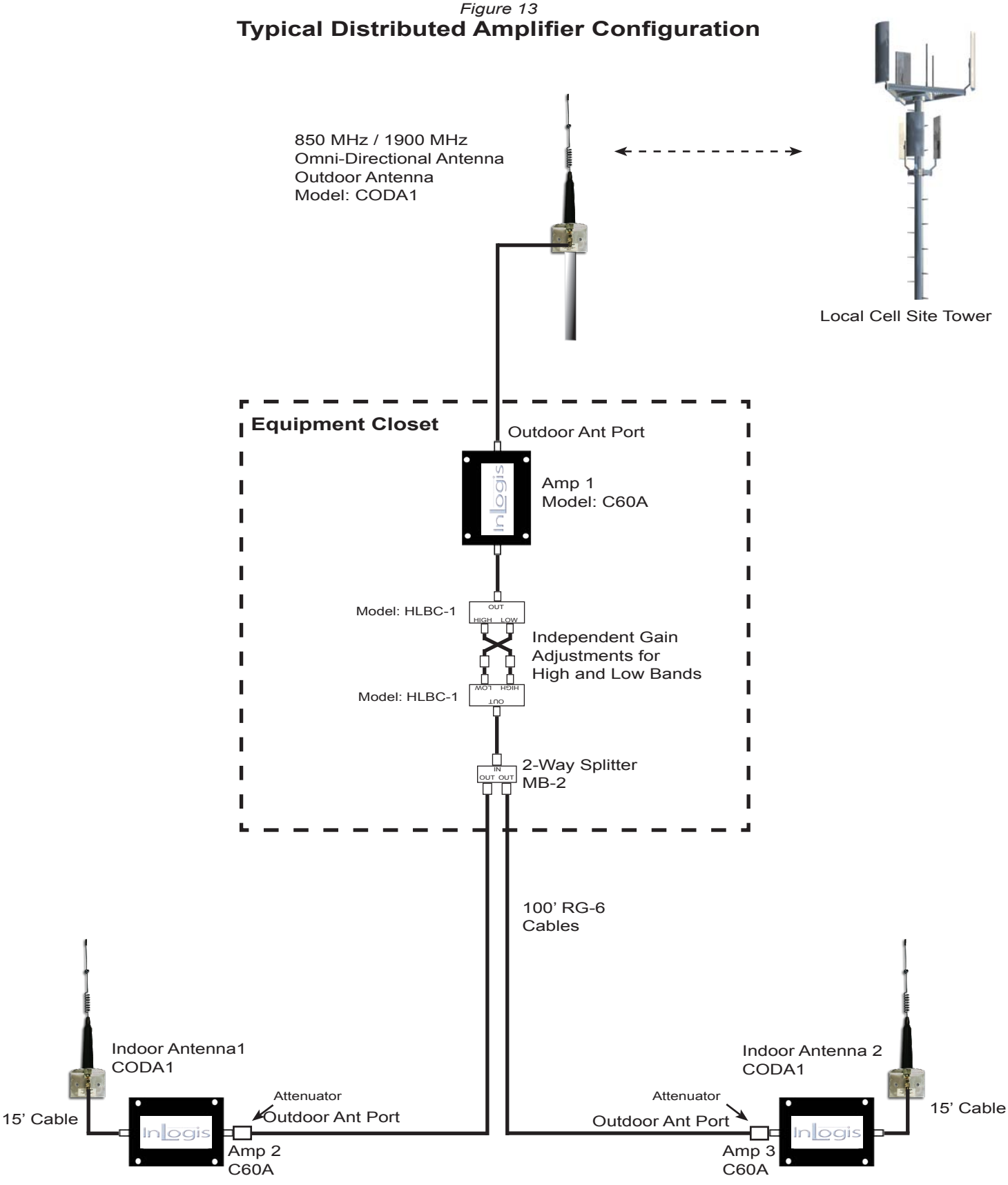


Figure 13

Typical Distributed Amplifier Configuration



Bi-Directional Dual Band Amplifier

Model: CPS-5 5VDC Power Adaptor

- 55-60 dB gain
- F-connector interface with antennas
- 850 MHz - 1900 MHz
- Dimensions: 4.4” L x 4.3”W x 1.0”H

Status LED and audible alarm enunciator

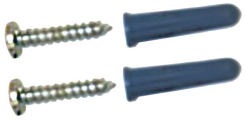
Model: C60A Amplifier

Dual Band Omni-Directonal Helix Antenna (For Indoor or Outdoor use)

Model: CODA-1

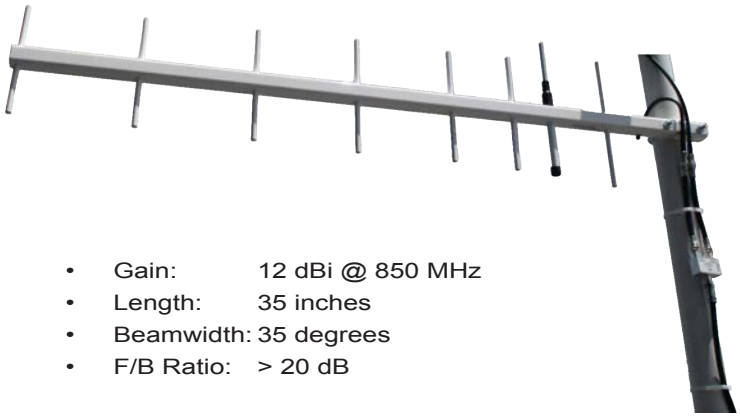
Gain: 5 dBi
Length: 16”

Antenna Pole Mount Hardware Model: PIX 7301



Low Band Outdoor Yagi Antenna

Model: CLR-8358Y



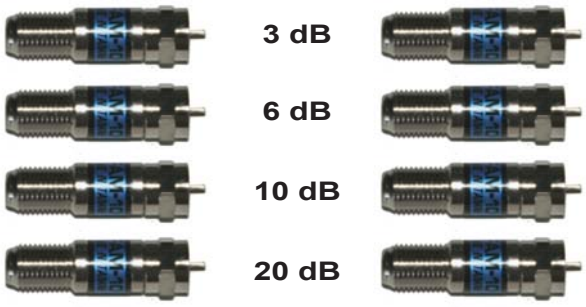
- Gain: 12 dBi @ 850 MHz
- Length: 35 inches
- Beamwidth: 35 degrees
- F/B Ratio: > 20 dB

Signal Splitters

Two-Way
Model: MB-2

Four-Way
Model: CMBS-4

Outdoor High / Low Band Antenna Combiner
Model: HLBC-1



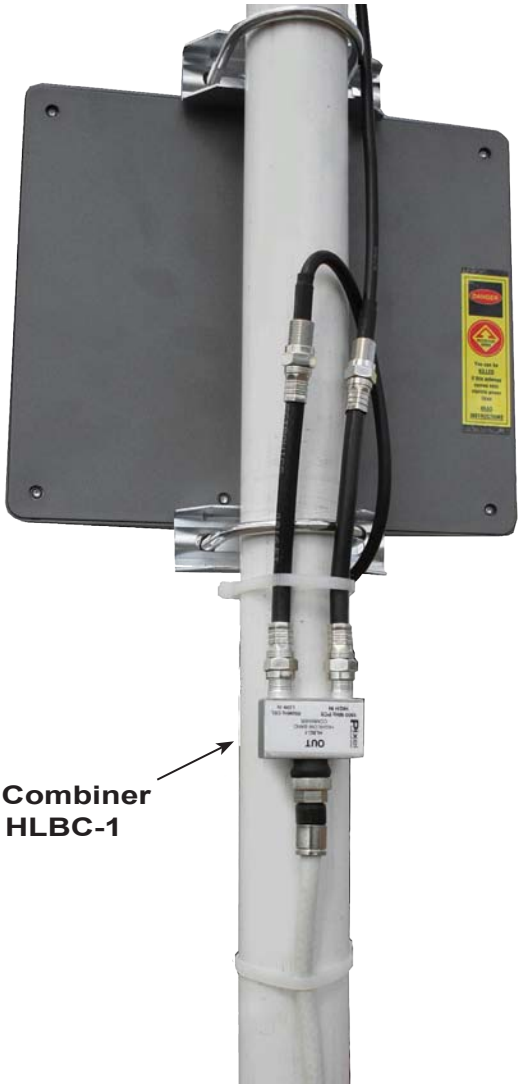
In Line Gain Adjustment Attenuators
Model: ATT

Outdoor Panel Antennas

850 MHz Panel Antenna
Model: CLBAP

Panel Dimensions:
8.5” x 7.5”

1900 MHz Panel Antenna
Model: CHBAP



Antenna Combiner
Model: HLBC-1

Optional Dual-Band Indoor Antenna
Model: CDBIP

Indoor Dual Band Panel Antenna mounted on AZ / EL wall mount bracket

Gain:

8.3 dB @ 850 MHz
12.0 dB @ 1900 MHz

Indoor Dual Band Panel Antenna with ceiling mount adapter

Indoor Dual Band Panel Antenna mounted flush to wall