

# InLogis News

Whole House / Office Professional Cell Phone / Public Safety / DAS Signal Boosters

February 2016

## Public Safety Signal Boosters

*... in most major cities, it's the Law!*

### *Don't let your Client get caught out!*

Most major cities within the United States demand strict adherence to the latest Fire Codes that mandate all construction over a certain square footage or height (varying from city to city) or additions to a structure must support adequate radio coverage for emergency first responders. It is the responsibility of the building owner to determine the existence of adequate radio coverage and to correct any deficiencies.



The latest green (LEED) building codes are terrific at protecting the environment but the same building materials and window coatings that are good thermal barriers are also excellent at blocking radio signals.

This necessitates the use of indoor active signal boosters to amplify the public service radio bands.

Inlogis has the suite of boosters you need to get your project up to code for inspection.

## \*\*\* New Antennas \*\*\*

### Low Profile Ultra-Thin Indoor Antenna

Ultra-thin, translucent, ceiling antenna. Extending just 0.33 inches below the ceiling, its see-through housing makes it nearly invisible when mounted.



The translucent design is unobtrusive and ideal for providing access to wireless networks in hotels, convention centers, formal spaces, older buildings with low ceilings, shallow spaces and areas where aesthetic concerns are of major importance.

## Dome Antenna with multiple 'easy to install' mounting options



One of the problems with most indoor dome antennas is that they are very difficult to install and mount if the installer does not have 'above ceiling' access via an attic or crawl space to enable attachment of the thru-hole mounting nut. This is critical when the sheet rock has already been installed

or if you are attempting a retrofit of an existing structure.

Our new dome antenna provides excellent gain and can be mounted from below the ceiling with three screws that are discretely hidden by the removable cover.

Where 'above ceiling' access is available, the cover can provide a convenient mounting fixture to enable installation above ceilings when it is desired to hide the antenna for aesthetic reasons.

## \*\*\* Fiber Link System \*\*\*

One of the main problems in designing signal booster systems is overcoming the loss in coaxial cable.

You might have an amplifier that has plenty of gain but by the time the signal gets to the indoor antenna, the cable can eat up most of the signal. Coaxial cable can be expensive and prove difficult to install.

Fiber optic cable is much lower cost, easier to install and has virtually no loss.

To take advantage of this fiber optic advantage we have introduced a full duplex single fiber RF / Optical transceiver which can be used with any of our amplifiers. This unit utilizes Wave Division Multiplexing (WDM) to transmit both the uplink and downlink signals in both directions up and down the fiber optic cable simultaneously.



# InLogis Installations

... and cost-effective problem-solving solutions

## InLogis selected for 300,000 sq ft Retail Facility



Our affiliate in Las Vegas was recently awarded a contract to install an InLogis public safety radio signal booster system in a 300,000 sq ft retail establishment currently under construction.

This system will be used to enhance the indoor radio signal strength of the Las Vegas Police and Fire Department so their first responders can communicate effectively inside the structure.

## Major Los Angeles Hospital selects InLogis Cellular Booster System



One of the largest hospitals in Los Angeles has been undergoing a major expansion and after they opened a new wing, located in a portion of a building below street level, they discovered (much to their horror) that there was no cellular reception. This wing has several large waiting areas for patients where hundreds of people could be using their phones simultaneously in a concentrated area.

We worked closely with one of our affiliates to provide an economic solution to this retrofit installation and still comply with the numerous State, City, FCC, and local ordinances for such major high-occupancy public buildings. Application of our high volume bi-directional amplifiers solved all of the reception problems. The hospital was able to afford this system without resorting to a much more expensive enterprise DAS deployment.

# InLogis

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