

INOVONICS WIRELESS SIGNAL SURVEY GUIDE

Effective 7.9.2020 | Data subject to change without notice

Follow the procedures below to ensure that all Repeaters are within acceptable range of the Head-end Receiver and that all wireless alarm activation devices (Pull Stations & Mobile Pendants) are within range of either a Repeater or the Head-end Receiver.

ITEMS NEEDED:

- *INOVONICS SURVEY KIT DEVICE (EN4016SK)
- *INOVONICS WIRELESS TRANSMITTER (EN1210SK) - Recommend at least 3 of these
- *PRELIMINARY DEVICE LAYOUT DRAWINGS - Completed as a part of the BluePoint Proposal

STEP 1:

If you have not yet done so, the first step will be to enroll the transmitters with the Inovonics Survey Kit device (Part #: EN4016SK). To do this, start by powering on the Survey Kit (top right button). When prompted, press ENTER (bottom right button) to continue. Next, use the arrows to scroll down to 'REGISTER POINT' and push ENTER. Select POINT 1 using the ENTER button, and then when prompted, push the RESET button on a powered up Transmitter (EN1210SK). Repeat this process to enroll any additional Transmitters you might be using. Recommend labelling all transmitters according to how they're numbered in enrollment so this process doesn't have to be repeated for every survey.

STEP 2:

Place an enrolled transmitter at the location of the Head-end Receiver (wherever the Control Panel is shown on the Device Layout Drawing). Next, use the Survey Kit device to select POINT STATUS and then select the Transmitter which was left at the location of the Receiver. The Survey Kit will then display the diagnostics of that Point including 'Rcv Lvl:'. This is a measure of the signal strength of that particular point. Keeping this diagnostic screen active, walk with the Survey kit to the rough location of the first Repeater. If the 'Rcv Lvl' is between 10 and 30, then place the next transmitter at the location shown on the drawing for the Repeater. If the 'Rcv Lvl' is below 10, then backtrack until the signal is consistently above 10 and place the next Transmitter at that location. Also make a note of this specific location on the drawings. If the 'Rcv Lvl' is above 30, then you may continue to move away from Transmitter until it drops below 30 (to maximize the effectiveness of the Repeater). Repeat this step until you recorded the desired locations of all Repeaters -

verifying that each has a consistent signal strength of 10 or more with either the Receiver or the nearest Repeater.

SUGGESTED REPEATER LOCATIONS: Electrical/Mechanical/MDF/Storage closets, above drop ceilings

STEP 3:

Once Repeater locations have been verified in relation to the Receiver and other Repeaters, the next step is to walk the building to ensure that all devices will be within range of at least one Repeater. To do this, start by selecting a planned Repeater location and place a Transmitter there. Next, walk that area of the building (especially the perimeter) to ensure that all devices that rely on that Repeater will have an adequate signal. If at any location the signal strength drops below 10, then the Repeater will either need to be moved closer to the low signal area, or another Repeater will have to be added. This method should be used to ensure that all areas of the building in which BluePoint Pull Stations are installed OR the Owner might be using BluePoint Mobile Pendants, will have reliable connectivity to the wireless R.F. BluePoint network.

Please make sure that all of the info above is appropriately documented on the BluePoint Building Survey Guidelines & Template document.