Fybr Gateway III Installation Manual

WARNING: Follow all guidelines in this document to ensure physical safety and proper operation of the Fybr Gateway. Failure to do so could result in serious physical harm and compliance failure with federal regulations.

1. Remove gateway housing cover and plug in battery connector. Confirm gateway comes online in Ops. Power gateway off by removing the battery connector.
2. Mount gateway mounting bracket with banding on pole or other suitable surface.

NOTE: Use all required personal protective equipment available if using a lift. This includes standard PPE as well as a harness and fall arrestor. Two people are required for all installations using a lift.

3. If required for installation, install solar panel.
4. Install mounting bracket and approved antenna. Antenna information is listed below.
5. Place gateway on mounting bracket and fasten.
6. Install antenna connections and input power connection.
7. Plug battery connector in.
8. Verify full functionality.

There are two approved antennas for the Fybr Gateway. ONLY approved antennas are allowed for installation with the Fybr Gateway. Any unapproved antenna could cause unexpected RF radiation beyond the design limits. Both antennas use a SMA to N shielded cable. The approved cable is Pasternack PE3318LF or equivalent shielded cable.

Approved Antennas:

1. L-Com HG906U-PRO 900MHz 6 dBi Omnidirectional Antenna

2. L-Com HG908P-NF 900MHz 8 dBi Flat Patch Antenna

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Technical information:
Fybr Gateways use 24 channels on the 900MHz ISM band. Channels have 1MHz spacing and are between 903MHz and 927MHz. By default, new Fybr gateways will be on channel 24. After installation, the channel must be changed to the desired operating channel before installing additional equipment.

Pursuant to FCC 15.21 of the FCC rules, changes not expressly approved by Fybr might cause harmful interference and void the FCC authorization to operate this product.

This product complies with FCC OET Bulletin 65 & Innovation, Science, and Economic Development Canada's RSS-102 radiation exposure limits set forth for an uncontrolled environment

This device complies with Part 15 of the FCC Rules and Innovation, Science and Economic Development Canada license-exempt RSS standard(s). Operation is subject to the following two conditions: (1) This device may not cause harmful interference. and (2) this device must accept any interference received, including interference that may cause undesired operation.

Cet appareil est conforme à des règlements Innovation, Sciences et Développement économique Canada exempts de licence standard RSS (s). Son fonctionnement est soumis aux deux conditions suivantes: (1) Ce dispositif ne doit pas causer d'interférences nuisibles, et (2) cet appareil doit accepter toute interférence reçue, y compris les interférences pouvant entraîner un fonctionnement indésirable.

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