



User Manual

Welcome to the wonderful world of wireless! Your Polymap Wireless enhanced device is intended to work with the enclosed Access Point to allow data to be seamlessly transferred to your healthcare professional, without any intervention on your part.

Once the Access point is installed, and the medical device is within a 30 foot radius of it, any unsent data will be automatically transferred to the Access Point. The Access Point will then wait for the telephone line to become free, and transfer the data over telephone to the data center.

Wireless transmission range is always reduced by obstructions, so a clear line of sight between the measurement device and the Access Point will give the best results.

Installation and setup

The effective radio range of the Access Point and the matching medical devices is around 30 feet (10 meters). This being the case, please choose a location in your house that is centrally located, or close to where the measuring devices will be used.

- 1) Connect a telephone cord between the Access Point and a telephone jack on the wall. An extra telephone outlet is provided on the back of the Access Point so you can plug a telephone into the same outlet. NOTE: this device is *not* designed for connection to digital PBX systems, such as might be found in an office.
- 2) Connect the power cord to the back of the unit, and plug it into a regular 120V outlet.



Figure 1: Connecting the Access Point. Leftmost connector is for power, telephone line goes in either telephone connector; optionally, a telephone can be connected to the second telephone connector. NOTE: telephone will *not* operate unless the Access Point is also connected to a wall telephone socket.

Usage

In normal use, there is no intervention required by the user. Nonetheless, indicator lights are provided to give the user some sense of the correct operation of the device. There are four indicator lights on the front panel of the Access Point. These are, respectively: POWER, RADIO, TELEPHONE, and ERROR.

| | |
|-------------------|--|
| POWER (Green) | Always on in normal operation |
| RADIO (Green) | Blinks roughly once per second, more blinking while data is being received |
| TELEPHONE (Green) | Blinks when the device is connecting to the server to transfer its data. Solid while the device is connected and transferring data (usually only a few seconds) |
| ERROR (Red) | Comes on when data was received by the Access Point but not successfully transferred to the data center. This will occur, for example, when the telephone is in use, or there is some other congestion on the network. The Access point will keep trying, every few minutes, until it succeeds in transferring the data. Note that data is never lost. |



Figure 1: Access point, showing the four indicator lights: POWER, RADIO, TELEPHONE, and ERROR.

In normal operation, the leftmost, or POWER light, will remain on, and the second light (RADIO), will blink roughly once per second. During the data transfer, the RADIO light will blink in other patterns. The TELEPHONE light is used to indicate usage of the telephone, and the ERROR light is used to indicate a data transfer error.

Note that data transfer errors are expected to occur, and should not be a concern unless they persist. If the ERROR light comes on the first time the device is used, the most likely explanation is that it is not correctly connected to a telephone jack.

Regulatory Statements

“Modifications made to the product, unless expressly approved by *Polymap Wireless*, could void the user’s authority to operate the equipment”

The following apply to the Polymap Wireless Access Point

IC: 4552A-PWA-0701

FCC ID: QYPPWA0701

This device complies with Part 15 of the FCC Rules. 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.

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device , pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try and correct the interference by one or more of the following measures:

- Reorient or locate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

This Class **B** digital apparatus complies with Canadian ICES-003

Cet appareil numérique de la classe **B** est conforme à la norme NMB-003 du Canada

The following apply to the Polymap Wireless Remote Unit

Polymap Wireless
310 S. Williams Blvd. Ste. 346
Tucson, AZ 85711
(520) 747-1811

PWR-07-01

IC: 4552A-PWR-0701
FCC ID: QYPPWR0701

We declare under our sole responsibility that the product Polymap Wireless Remote PWR-07-01 complies with Part 15 of the FCC Rules. 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.



ICES-003 B / NMB-003 B

Tested to comply with FCC
Standards

For Home or Office Use

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