
1) OVERVIEW

Thank you for purchasing a TelePATH Millennium digital wireless link from Critical Control. Your new TelePATH Millennium is a carefully engineered, high-quality, durable product. It is designed to deliver the quality and performance you expect from telecommunications equipment.

The TelePATH Millennium digital wireless link is a cost effective solution for point-to-point voice and data communication. The system provides a reliable toll-quality wireless connection between a public telephone and the wire connection back to the central office. The TelePATH Millennium may be used for both temporary and permanent installations where circumstances make conventionally wired installations impractical.

2) DESCRIPTION AND FEATURES

The TelePATH Millennium system consists of two Modules, two antennas, and two coaxial cables. Once installed, the components provide a transparent wireless link between a phone and the central office. The "Line Module" connects to the central office line. The "Phone Module" connects to the phone. The Phone and Line Modules are similar in appearance but each is clearly labelled to avoid confusion.

The TelePATH Millennium has been specifically designed for use with the Nortel Millennium payphone and supports all of its functions.

The TelePATH Millennium system may be used only with approved antennas (see the Specifications section for a list of approved antennas). Either module may be used with any of the three antennas.

The TelePATH Millennium system must be professionally installed in compliance with FCC part 15 subpart C and Industry Canada's Radio Standards Specification RSS-210, Issue 2, Rev.1.

3) INSTALLATION

A) EQUIPMENT REQUIRED

- Digital Multi-Meter
- 5/32" Security Allen Key
- 1/8" Width Flat Blade Screw Driver
- #8 Philips Head Screw Driver
- Cordless Drill with appropriate bits (Optional)
- Static Ground Strap

B) LINE MODULE AND ANTENNA

I) MOUNTING MODULE

Identify and locate the Line Module in an area suitable for obtaining access to dial-tone and power. The location selected must also allow for connection to the antenna. Fix the Module to the desired location using the two screws provided.

II) MOUNTING ANTENNA

To comply with FCC requirements for RF exposure, antennas must be installed such that no persons will be closer than 20 cm from any part of the antenna while operational. Using the hardware provided, select and install the Line antenna in the desired location. For mast type antenna installations keep the mast as close as possible to the Line Module. Antennas must be installed at least two meters above grade. **Masts are not provided as part of the TelePATH Millennium system.**

Where directional antennas are employed, the antenna elements must be oriented vertically (**Figure 1**).

For optimal system performance the antenna should be mounted as far above grade as possible.

Where Phantom antennas are employed, mounting is possible by drilling a 1" hole through the surface on which the antenna will be mounted provided the surface is no thicker than ¼". Alternatively, an L bracket with a 1" hole and three mounting holes is supplied.