Prism TM2

Teletrac Prism TM2 Information and Installation

Desired Learning Outcomes

At the conclusion of this module you will:

- ❖ Know the physical components that make up a Prism TM2 installation
- ❖ Know the current feature set of the **Prism TM2**
- Know the components and processes used to acquire and transmit Prism TM2 information
- Know the requirements and processes to install and test a Prism TM2

KEY PERFORMANCE INDICATORS

With no direct supervision and with written guidelines, the **Prism TM2** installer will be able to:

- Describe the peripheral equipment used in a Prism TM2 installation
- ❖ Identify the internal components that make up a Prism TM2
- Describe the method of how a Prism TM2 determines its location
- ❖ Identify what information the Prism TM2 can communicate when different systems are hindered
- ❖ List current features of the **Prism TM2**
- ❖ List the steps to replace a VLU^{plus} with a **Prism TM2**
- ❖ List the steps to initially install a **Prism TM2**

2 1622-0300 B1 5/05/06

Table of Contents

Introduction	
Physical characteristics	
Prism TM2	
Antennas	
Peripherals	
The GPS and GPRS Systems	
GLOBAL POSITIONING SYSTEMS (GPS)	ERROR! BOOKMARK NOT DEFINED.
GPRS	
THE OVERALL TELETRAC PICTURE	
SUBSCRIBER IDENTITY MODULE (SIM) CARD	
Prism TM2 Functionality	Error! Bookmark not defined.
Default Settings	ERROR! BOOKMARK NOT DEFINED.
Feature Comparison	
COMPARISON CHART	
Prism TM2 Features Defined	
Long Inbound Messaging	
Scheduled Locations	
In Motion detection	· · · · · · · · · · · · · · · · · · ·
Speed Threshold	
Dynamic Power Management	
Message Store and Forward (Message History)	Error! Bookmark not defined.
PRISM TM2 Installation Instructions	Error! Bookmark not defined.
PRE-INSTALLATION CONSIDERATIONS	
ITEMS REQUIRED FOR PRISM TM2 INSTALLATION	ERROR! BOOKMARK NOT DEFINED.
WIRING SCHEMATIC	ERROR! BOOKMARK NOT DEFINED.
ANTENNA PLACEMENT	
PRISM TM2 INSTALLATION PROCEDURES	
SWAPPING OUT A Prism TM2	
Prism TM2 Administration & Provisioning	
Appendix A - An Introduction to Global Positioning Satellit	
Appendix B - Teletrac Prism TM2 Antennas	Error! Bookmark not defined.
Appendix C - Installation Equipment	
Appendix D - How Messages Are Used In Scripts	
Appendix E – FCC Statement	
Appendix F - Safety Information	Error! Bookmark not defined.

1622-0300 B2-5 05 2006 3

INTRODUCTION

Welcome to Teletrac's *Prism TM2 Information and Installation Guide*. The goal of this guide is to give you an understanding of how the *Prism TM2* functions and how the different systems it uses function, as well as, how to install the *Prism TM2* itself. As you make your way through this guide, you will start to become familiar with many aspects of the *Prism TM2*, however, nothing will replace the hands-on experience of installing a unit and seeing how it functions in person. It is hoped that you will use this guide as a reference to give you guidance whenever a problem is encountered.

This guide starts with a discussion of the physical characteristics of the **Prism TM2** and the equipment it requires to function. Next is a brief introduction to the systems the **Prism TM2** relys upon to do it's job. After that will be a feature list to compare the **Prism TM2** to an RF & CDPD VLU along with descriptions of the features. Lastly is a section on how to install and test the **Prism TM2**. Now, let's get going...

4 1622-0300 B1 5/05/06