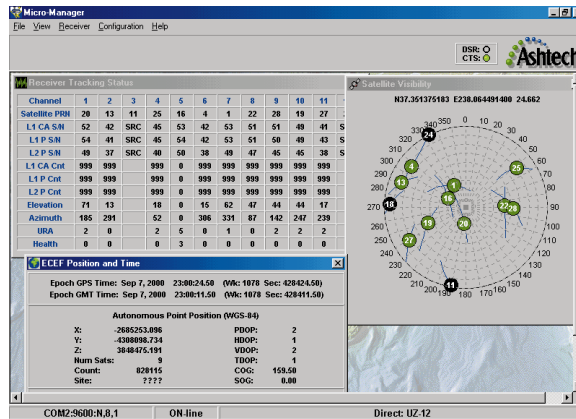


# Ashtech Micro-Manager™ / Pro



*Windows Software for Downloading  
& Controlling Directly Connected  
and Remotely Located  
Ashtech μZ GPS Receivers*



## Introduction

Micro-Manager (μManager) is the most recent addition to the powerful Ashtech Reference Station Software product line. Micro-Manager is also available in the Pro Version. Both versions allow you to quickly and easily: (1) Inspect receiver health & status; (2) Configure receiver parameters; (3) Download data files; and (4) Upload firmware to Ashtech's new reference GPS receiver - the μZ CGRS (Continuous Geodetic Reference Station). Our enhanced version, Micro-Manager Pro, comprises all Micro-Manager features *plus* provides support for modem connections to a remote GPS receiver.

μManager works seamlessly with all members of the Ashtech μZ family. μManager exploits the multitasking and multithreading capabilities of 32-bit Windows operating systems. Manual (GUI) and automatic (command line) modes are provided.

## Graphical User Interface

The intuitive Graphical User Interface (GUI) of Micro-Manager simplifies getting your work done. The Main Screen is user-configurable and can be set up quickly for your particular application. Many real-time informational screens can be opened that provide current information on the health and status of the GPS receiver and its data. μManager has been built around a point-and-click architecture which provides a clear and efficient means to examine the

receiver's health & status, change receiver parameters, download data files, and upload firmware. There is also a command-line interface for hands-off automation.

## Direct Receiver Control

Micro-Manager software can download data, and any receiver parameters can be set. Simply connect to the GPS receiver and start the μManager software on a PC.

## Remote Receiver Control

Micro-Manager Pro allows all the direct receiver controls of Micro-Manager and allows those same receiver controls through a radio or phone modem to *any* site having phone or radio access.

## Session Programming Feature

The μZ-family of GPS receivers implements a session programming feature for selecting and controlling periods of data collection. μManager provides an easy to understand GUI interface to this receiver feature. These combine to provide a powerful file management tool that can be used to ensure coincident data collection over multiple GPS receivers using a single copy of μManager.

## Data Download and Conversion

Micro-Manager has a Window allowing you to view all the data files on the receiver. From this Window you can select files to download and

then delete from the receiver. RINEX file conversion is initiated after downloading with a simple checkbox.

## Reliable Firmware Uploads

Micro-Manager file transfers are based upon the ZMODEM protocol, and as such you can expect to have new firmware reliably transferred to the GPS receiver. In addition, a new multi-tiered protection mechanism has been introduced so as to verify uploaded firmware before it replaces existing firmware.

## Terminal Window Feature

Micro-Manager provides a powerful Terminal Window capability that permits full access to commands that may not be available within the GUI. This permits an Ashtech receiver to be fully commanded from the Terminal Window. The command templates feature makes Terminal Window commands easy to remember and create. The Terminal Window Script-file feature can launch a set of receiver commands (including delaying the time of the commands).

## Works with Ashtech's Geodetic Base Station Software - GBSS

Micro-Manager Pro can be automatically called by GBSS to control and download remote Ashtech μZ receivers. This GBSS/μManager duo combines sophisticated real-time data logging with automated downloads of remotely located (or directly connected) GPS receivers.

## MAGELLAN CORPORATION

471 El Camino Real, Santa Clara, CA 95050-4300, USA  
Main Tel: +1 408-615-5100 • Main Fax: +1 408-615-5200  
Sales: +1 408-615-3970 or 800-922-2401

In Washington D.C. Tel: +1 703-476-2212 • Fax: +1 703-476-2214

In Europe, Africa & Middle East Tel: +44 1189319600 • Fax: +44 1189319601

In South America +56 2 234 56 43 • Fax: +56 2 234 56 47

In Russia Tel: +7 095 956-5400 • Fax: +7 095 956-5360

Website [www.ashtech.com](http://www.ashtech.com) • E-mail [sales@ashtech.com](mailto:sales@ashtech.com)



# Ashtech Micro-Manager / Pro Specifications

## Micro-Manager Features

- 32-bit multitasking and multithreaded architecture running on Windows 95/98/NT/2000
- Windows Graphical User Interface
- Choice of GUI (manual) or command line (automatic) interface
- Ring file data control
- Receiver data file management
- Session programming
- Receiver script file uploading feature
- Powerful terminal window capability
- User-configurable alerts
- Reliable firmware uploads
- Z-modem protocol for data transfer
- File translations to Ashtech or RINEX formats
- RTCM base station configuration control and status
- Built-in user safeguards
- User-configurable real-time informational screens
  - Current Receiver Parameters
  - Session Programming
  - Receiver Files and Memory Usage
  - Satellite Visibility
  - RTCM Status & Control
  - Diagnostic Messages
  - Receiver Tracking Status
  - Receiver information
  - Geodetic position & time

## Micro-Manager Pro Features

*Includes all above features, plus:*

- Remote (modem) or direct receiver connection
- Full control over dialing parameters and hardware handshaking for modems
- Dialing directory facilities
- Modem settings

## Suggested PC Requirements

### Computer Hardware

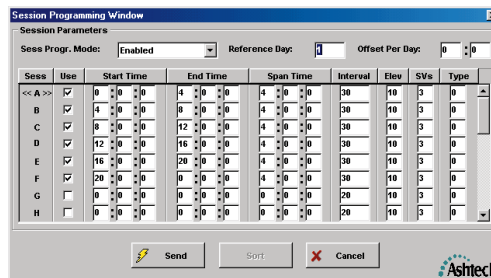
- Pentium or higher
- 64 MB RAM
- 4 GB hard drive

### Computer Operating System

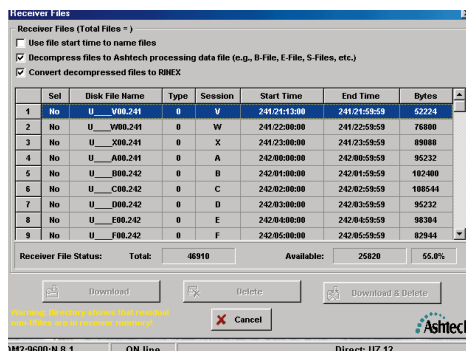
- Windows NT or 2000 preferred
- Windows 95 or 98 acceptable

## Ordering Information

Product	Part Number
Micro-Manager	110424
Micro-Manager Pro	110449



## Session Programming



## Data Downloads

*Specifications are subject to change without notice.*

©2001 Magellan Corporation.

Ashtech® is a registered trademark of Magellan Corp.

All other product and brand names are trademarks or registered

trademarks of their respective holders.

Specifications subject to change without notice.

(3/01)