



ADR Plus Product Line

StopWatch+ Firmware Upgrade

Quixote Traffic is pleased to announce the release of the StopWatch+ firmware upgrade, Version 2.0. The StopWatch+ firmware is an upgrade module for ADR Plus products. It is supported in ADR firmware versions 5.40 and higher.

Product **StopWatch+ Firmware Upgrade**
Version **Version 2.0**
Release Date **July 8th, 2005**

Product Compatibility

This firmware upgrade is compatible with **ADR-3000 Plus** automatic data recorders. It will *not* work in plain ADR-3000 units (or in other words, non-“Plus” units.) Version 2.0 of StopWatch+ can be installed with any one of the following language files installed: American, American/Spanish, or American/Canadian French.

This product is compatible with **TOPS™**, Quixote Traffic’s Windows-based ADR data retrieval software. To function with TOPS, the PC must be running version 3.6 or higher of the TOPS software. StopWatch+ Version 2.0 firmware is also compatible with version 1.0 and higher of Quixote’s **Z-Link** ADR data retrieval software for the Palm™ OS.

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Note It is recommended that this firmware should not be used with any version of TOPS older than version 3.6. The additional information stored in the ADR files may cause unpredictable results with older versions of TOPS.

Protocol Support

Version 5.40 and higher of the ADR firmware supports three Quixote protocols: ADR, StopWatch, and StopWatch+. It can be used with software packages that are compatible with any of these three protocols.

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Upgrading to StopWatch+ from the basic ADR Plus firmware

If the StopWatch+ feature was already installed in the previous version of your ADR firmware, it will automatically be enabled when you update to the latest ADR Plus firmware. However, if this is the initial installation of the StopWatch+ firmware to your ADR-3000 Plus unit, and if your agency has a signed NDA with Quixote Traffic concerning StopWatch+, and you have purchased a valid StopWatch+ license, you should contact the Quixote Traffic Technical Support Center to have StopWatch+ loaded and configured on your unit.

Hardware Required for the Update

To upgrade an ADR Plus unit in the field to StopWatch+ via a direct connection, you will need the following items:

- A notebook or portable PC that has Quixote Traffic's ADR Firmware Upload Utility installed
- A DB-9 to DB-9 direct-connect serial cable (Quixote p/n 81-296A) for the ADR-3000 Plus
- The StopWatch+ v2.0 firmware update file that has the appropriate language files for your requirements. (American, American/Spanish, or American/French Canadian)

Non-Disclosure Requirement

It should be noted that the StopWatch+ add-on module for ADR Plus units simply provides a protocol by which your own software can interface in real-time with the ADR unit. To fully utilize the StopWatch+ protocol, you will need a copy of the StopWatch Protocol Handbook (p/n 103-067-8). This booklet can be ordered from Quixote Traffic, but only after your organization has reviewed and signed a Non-Disclosure Agreement (NDA) concerning StopWatch+. For more information about the StopWatch+ NDA and the protocol handbook, contact either your Quixote Traffic Customer Service Representative or your Quixote Traffic Sales Representative.

Additional Guidance

These are some other sources of information on the StopWatch+ and ADR Plus series of automatic data recorders.

Documentation

These documents are available for the ADR products and other related products available from Quixote Traffic.

Table 1 — Additional documentation available for ADR products

Document	Part Number
StopWatch+ Protocol Handbook [*]	103-067-8
ADR Plus User's Manual	99-133
ADR Plus Firmware Release Notes	99-351
TOPS Installation Manual ^{**}	81-896
TOPS Operating Manual ^{**}	81-897
TOPS Release Notes ^{**}	99-291

Technical Support

In order to receive customer support on your ADR Plus or StopWatch+ unit, you must register it with Quixote Traffic. This contact information will connect you with the technical support staff of Quixote Traffic Corporation, should you require additional help concerning the ADR Plus Product Line.

Quixote Traffic Corporation - ADR Technical Support Center

2511 Corporate Way
 Palmetto, FL 34221
 toll free in the U.S.: (800) 245-7660
 tel: 1 (941) 845-1200
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^{*} Requires a signed NDA to order.

^{**} The TOPS Installation CD also includes copies of these documents in PDF format.