



ADR Plus Product Line

ADR Plus v6.06 Firmware

Peek Traffic is pleased to announce the release of Version 6.06 firmware for the ADR Plus Product Line. This update for the ADR Plus firmware addresses an issue that was reported in the Version 6.04 firmware pertaining to improper weight processing by WIM cards.

Product **Firmware for the ADR Plus Product Line**
Version.....**Version 6.06**
Release Date**September 19th, 2007**

Product Compatibility

This firmware upgrade is compatible with all **ADR-1000 Plus**, **ADR-2000 Plus**, and **ADR-3000 Plus** automatic data recorders. This firmware will not work with the older, non-“Plus” ADR-1000, ADR-2000, and ADR-3000 units.

This update is not typically performed as a field upgrade. It is normally installed during manufacturing or during factory repair work. Version 6.06 of the firmware can be installed with one of the following language files installed: American, American/Spanish, or American/Canadian French.

In order to use the AxleLight laser sensors with this firmware, the ADR Plus unit must have an SC-514P Contact Closure Board installed to function as the connection point between the ADR Plus and the laser sensor(s).

This product is compatible with **TOPS™**, Peek Traffic’s Windows-based ADR data retrieval software. The update requires version 3.6 or higher of the TOPS software.

Contents

Updating the Firmware in an ADR Plus Unit..	2
Issues Addressed in this Release.....	3
Additional Guidance	3
Documentation	3
Technical Support	3



Note It is recommended that this firmware should not be used with any version of TOPS older than version 3.6. Additional information that was added to the ADR files starting with the version 5.53 firmware may cause unpredictable results when used with older versions of TOPS.

Protocol Support

This version of the firmware supports the standard Peek ADR protocol. It can be used with any software package that is compatible with this protocol.



Note ADR Plus devices running **Version 6.06** firmware may no longer be fully compatible with TDP.

Support for the StopWatch+ Add-on Module

Version 6.06 firmware continues to support Peek Traffic's StopWatch+ add-on module for the ADR 3000 Plus. StopWatch+ expands the functionality of an ADR-3000 Plus; retaining the full historical data collection features of the standard ADR-3000 Plus, while adding simultaneous real-time data gathering capabilities. These StopWatch+ functions can be used to assess the performance of roadway systems during emergency and disaster situations. For more information about StopWatch+, including how to purchase the package, contact your nearest Peek Traffic distributor. For the nearest distributor in your area, call 1-800-245-7660.

Updating the Firmware in an ADR Plus Unit

To update the firmware in an ADR Plus unit in the field via a direct connection, you will need the following items:

- Notebook or portable PC that has Peek Traffic's **ADR Firmware Upload Utility** installed
- DB-9 to CPC-8 direct-connect serial cable (p/n 81-321) (**ADR-1000 Plus and ADR-2000 Plus**)
or
DB-9 to DB-9 direct-connect serial cable (p/n 81-296A) (**ADR-3000 Plus**)
- the ADR **Version 6.06** firmware update file:

Table 1 — Version 6.06 firmware files

Firmware version	Filename
v6.06 firmware - American English	V606-A_97-508-D.bin
v6.06 firmware - American / Spanish	V606-AS_97-508-A.bin
v6.06 firmware - American / Canadian French	V606-AC_97-508-E.bin

If you need additional assistance to perform the ADR Plus firmware update, contact the Peek Traffic Technical Service Center using the contact information provided on page 3 of these release notes.

Issues Addressed in this Release

The following are known issues that existed in previous releases of the ADR Plus Firmware which have been addressed in Version 6.06:

Table 2 – Issues fixed in the Version 6.06 release

Issue	Resolution	Case #
V06.04 firmware introduced a bug where the weight measurements generated by a WIM card were too high for cars and too low for trucks.	This has been identified and corrected in an extended beta test. The WIM weight measurements are now correct.	3195, 3253, 3203

Additional Guidance

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

Documentation

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

Table 3 — Additional documentation available for ADR Plus products and related hardware

Document	Part Number
ADR Plus User's Manual	99-133
StopWatch+ Release Notes	99-348
TOPS Installation Manual ¹	81-896
TOPS Operating Manual ¹	81-897
TOPS v3.6 Release Notes*	99-291
ADR-1000/ADR-2000 Getting Started Guide	119c/507
AxleLight Operating Manual	81-1124

Technical Support

In order to receive customer support on your ADR unit, you must register it with Peek Traffic. This contact information will connect you with the ADR technical support staff of Peek Traffic Corporation, should you require additional help concerning this firmware update.

Peek Traffic Corporation - ADR Technical Support

2906 Corporate Way
 Palmetto, FL 34221
 toll free in the U.S.: 1.800.245.7660
 tel: 1.941.845.1200
 fax: 1.941.845.1504
 email: tech.support@peektraffic.com

¹ The TOPS Installation CD also includes copies of these documents in PDF format.