



Product Type: Aries®

Reference: AN2093
Date: 19 March 2008

To Complete the Upgrade to Version 3.30, Instructions All Users Must Obey to Correctly Reset the Network Latency Time Constant

Purpose

This Application Note describes the new **Aries®** Cellular Network Latency Handling feature and tells you how to use it in your system.

IMPORTANT

To establish communication between Aries and ASC/2M, you **MUST** reset the network latency time constant. Refer to the Applications section in this document.

Features and Benefits

The Aries software now has a user-configurable time constant for use in cellular networks. This value compensates for the delay in transmission caused by the cellular network.

Applications

Reset the network latency time constant:

1. Go to C:\ECONOLITE\ARIES.
2. Open the file **AriesTimeConstant.ini**
3. Set the value as shown in the table below:

Connection between Aries and ASC/2M

Type of Connection	Typical Time Constant, in milliseconds (ms)
Wired	[TimeConstant] Timeconstant=0
Wireless	[TimeConstant] Timeconstant=1000

NOTE: If the applicable above-recommended value does NOT give good results, adjust the time constant until you find a value that works.

CAUTION: If the value is too large, ASC/2M communication may fail. The default in Version 3.30 is set incorrectly to 2000 (ms). The default value will be changed to 0 in the next version of this software.