

## Software Revision Announcement

### CBM/CBT Range & Cylon Engineering Center

**CBM / CBT Firmware:** 7.6.5

**Products:** CBM24k, CBM24, CBM24LC, CBM16, CBM12, CBM08, CBT12, CBT12iVAV

**Cylon Engineering Center:** 6.76b35

**September 30, 2015**

American Auto-Matrix is pleased to announce the release of both the 7.6.5 Firmware Update for the CBT and CBM Range Cylon BACnet field controllers, as well as the release of Cylon Engineering Center!

This document provides full notes regarding the release. All manuals, datasheets, and software upgrade files relative to this release can be found on the [AAM Toolbox](#) by visiting [Product Support>Firmware Updates](#).

## CBM/CBT Range

### Summary

Field controller BACnet objects have been upgraded to have a comprehensive list of properties, and to store additional BACnet data. Priority Arrays have been added to more objects, COV Trendlogs, Calendar objects, and Alarms have been added.

These updates have been made as part of American Auto-Matrix's ongoing program to extend the support of the CBT and CBM range of field controllers to support the BACnet standard.

### Features & Installation

#### Scheduling

- Unitron Schedules are now exposed to BACnet
- Calendars have been added to simplify holiday scheduling
- BACnet Schedules can now be configured for non-boolean data types
- Exception Schedules now handle up to 5 exceptions of 15 time value entries each

#### Alarming

## Product Awards

AspectFT



**2015 AHR Innovation Award**  
Winner - Building Automation

**2014 AHR Innovation Award**  
Honorable Mention

**2011 AHR Innovation Award**  
Honorable Mention

**2011 Building Operation Mgmt**  
Top Products Award

vSTAT®

AspectFT-Nexus™



## Product Revisions

CBM/CBT v 7.6.5

Engineering Center v 6.76b35

AspectFT v 2.05.01

FTServer Jar Signer v 2.03.00

MatrixPNC v 1.05.03

NB-Pro v 2.13

Solo-Pro v 2.11

IFC-SSB/485 v 2.08.28

SBC-GPC Family v 2.07

- Events and Alarms are now available on all inputs, values, and outputs
- Notification Class objects now support up to 30 unique conditionally-active recipient addresses (5 per NC object)

### 3rd Party Block

- Can now read and write to any primitive BACnet property both local and remote
- Writes now include automatic data-type protection

### General

- All values/outputs exposed to BACnet now support Priority Arrays, and are writeable and commandable
- Trendlogs are now fully compliant with the BACnet standard
- Feedback text has been added to complex objects to aid Strategy debugging
- Configuration changes are now saved in real-time, instead of at midnight
- Read/write property error messages have been fixed
- Out-of-range blocks that cannot run are now rejected at commissioning time
- Wipe operations now account for associated BACnet data

### Improvements in Software Integration

- Text feedback has been improved
- Strategy error checking during and after commissioning has been improved
- MS/TP parameters (MS/TP address, Instance, MaxMaster, etc.) are now modifiable via:
  - **Cylon Engineering Center**
  - **Serial Port**
  - **BACnet** (directly)
  - **CBT-STAT** (when applicable)

### Installation

To upgrade existing CBM/CBT controllers to this version, download the relevant .bin file from the [AAM Toolbox](#) and add it to a batch in the Cylon Engineering Center's Site Organizer, to download it to all of the controllers on the site.

**Note:** Bootloader v6 is required in order to upgrade CBM controllers to this firmware version. If the version string returned by the CBM controller indicates an earlier bootloader, please contact American Auto-Matrix tech support.

In order to upgrade firmware over a network connection, version 7.5.4 or later is required. For earlier versions, a serial connection must be used.

This version of CBM/CBT firmware should be used in all new Cylon BACnet sites

NB-GPC Family	v 2.07
API-Pro	v 1.0.14
SBC-ASC Family	v 4.10
NB-ASC Family	v 6.10
NB/BBC-SD	v 1.05
MatrixBBC	v 1.02
NB-GPC-FHC	v 2.02
SBC-GPC-FHC	v 1.04
FHC-SD	v 1.03
SBC-SD	v 1.04
Integra	v 3.7
Aspect Viewer	v 1.0.0.3
MATRIX Router	v 1.03.03

### AAM Websites



[AAM on LinkedIn](#)



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# Cylon Engineering Center



Cylon Engineering Center is a set of Windows-based software applications that allows all aspects of the CB Series of BACnet controllers and sites to be configured, engineered, and commissioned.

With the user-friendly, graphical programming interface, users can easily create controller strategies, define site layouts, configure global communication between controllers, and more.

These updates have been made as part of American Auto-Matrix's ongoing continuous improvement policy, and are being release as part of the BACnet project release.

**Note:** This version of Cylon Engineering Center should be used in all new Cylon BACnet sites.

## Features & Installation

### Strategy Simulation Mode

A Simulation Mode is available within Cylon Engineering Center, which allows the operation of a Strategy to be simulated without requiring a controller to be connected. This is done, in most cases, by using actual firmware code to ensure the simulation is as close as possible to real controllers.

### NB-Pro

Cylon Engineering Center now includes our BACnet discover tool, [NB-Pro](#). If the user chooses to install NB-Pro, then the Engineering Tool will include a toolbar icon as shown:

NB-Pro is a commissioning environment for BACnet controllers, Users can set BACnet parameters on American Auto-Matrix BACnet controllers as well as other third-party devices.

For details, see [MAN0122 NB-Link & NB-Pro](#)

**Note:** For NB-Pro to work with Cylon Engineering Center, you must open the Settings menu in NB-Pro and select **Network Configuration**. In the Network Configuration dialog, select the **Remote IP** radio button and the **Communicate Via:** section so that NB-Pro does not attach to the BACnet UDP port of the PC, as this would block Engineering Center.

Additionally, register NB-Pro as a foreign device on a CBR on the network, by entering the CBR's IP address in the **Network Configuration** dialog's **BBMD Device** field.

## General Improvements

- The sign-on dialogs now include a ***Remember Me*** option, so that the username and password does not have to be entered each time
- The BACnet ***Device Instance Number*** is now displayed as a tooltip when the user hovers over a BACnet field controller device in the Engineering Tool Site Tree.

This release also includes updates to other bundled applications, including:

- CCBBackup
- CCConfig
- Site Organizer
- Discovery Tool
- Port Handler
- Engineering Tool

## Product Release Overview

A product release overview webinar will be available to all Solution Integrators. Please review the dates and confirm a participation to [Inside Sales](#). You are welcome to attend more than one session. Login details will be sent the day prior to each web session.

- October 13 @ 10-11am EST
- October 15 @ 2-3pm EST
- October 21 @ 10-11am EST

If you have any further questions or require additional information, please contact the American Auto-Matrix Technical Support Department via [email](#) or at 1-877-AAM-PROS.

### BACnet International Member



American Auto-Matrix is a proud member of BACnet International. Click the logo above for more information on membership.

### BTL Listings

Did you know that AAM has over 30 BTL listed controls?



**Do you have questions about this broadcast? Click here to e-mail us!**

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