

CopperCube 1.21 Build 1708 Release Notes

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Welcome

This document communicates important technical information associated with the CopperCube Build 1.21.1708 Release.

Important: Please note the following essential items

Upgrade from previous versions

Version 1.06 devices

Version 1.06 devices will continue to require an Advanced RMA procedure to upgrade.

Version 1.11 devices

Version 1.11 devices are running a prior version of the internal database storing the archived data. **Devices will need to be updated to the latest 1.20 build before upgrading to the 1.21 build in order for the database to be converted properly.** Please refer to the release notes for CopperCube 1.20 Build 1360 Release Notes for proper procedures for doing so.

Version 1.20 devices

Version 1.20 devices can be upgraded from USB or from the CopperCubes User Interface when connected to the internet. Refer to the installation procedures for details.

Version 1.21 devices

Version 1.21 devices can be upgraded from USB or from the CopperCubes User Interface when connected to the internet. Refer to the installation procedures for details

Overview:

The CopperCube is an advance data archiver that connects to a Building Automation System (BAS) through BACnet/IP or BACnet Ethernet protocols. It is used to collect, store, and push trend log data to a number of onsite and remote storage locations.

Date of Release

Release Date:

Beta (1.21.1699): **November 1, 2016**

System Requirements

Client Web Interface

Supported Web Browsers:

- Chrome (Version 34 or higher) preferred
- Firefox (Version 25 or higher) preferred
- Internet Explorer (Version 10 or higher)

Screen Resolution

- CopperCube is designed to be viewed at a minimum screen resolution of 1280 x 1024

Non-Supported Web Browsers:

Note: These are browsers that may work but have not been tested with the CopperCube Product

- Safari
- Edge

Relevant Documents:

- CopperCube Quick Start Guide
- CopperCube Application Guide
- CopperCube 1.21.1708 Release Announcement
- Archived Release Notes

What's new in 1.21.1708

The new CopperCube firmware (1.21.1708) brings improved workflow to how a CopperCube is connected to the network and how detached trend logs are managed. This new version brings a modification to the setup procedure necessary for connecting to a MySQL SQL database. We are also pleased to release a detailed Application Guide specifically for the CopperCube Product.

Managing Detached Trend Logs

Detached trend logs can now be managed on the Trend Log Management Page located within the CopperCubes User Interface. This gives the user more options as to what you can do with that data.

Detached Trend Logs are defined as: Trend Logs that have sample data saved within the CopperCube, but the CopperCube can no longer access the controller where it gets its data from due to a loss of connection. This could be because the site, or the inclusion/exclusion ranges have been modified, the trend logs have been deleted, or the controller has been removed from the network. You may also see this when there is a network connection issue between the CopperCube and the Device Controller.

Setup changes for the MySQL destination server

There is a new procedure for installing and using the MySQL connector within the CopperCube. See the CopperCube Application Guide for more information.

CopperCube Application Guide

In addition to the workflow improvements, we are also pleased to release a CopperCube Application Guide.

The guide is a 60 page document that provides the reader with a thorough understanding of the operation of this product. It provides information on the functionality of the CopperCube, as well as information on all features the product currently offers.

Additional Improvements:

This release also brings a number of other additional improvements. They include:

- The CopperCube ability to view more than 25,000 Trend Logs on a single network without having to refine the inclusion/exclusion ranges.
- The correction of the fsck error which could occur on boot-up

Site Name Character set as of Version 1.21:

With the previous release of 1.21 build, the CopperCube has allowed the user to use UTF-8 Character sets. There are however, a number of restrictions on this. They are as follows:

- The first restriction is that all site names must start with one of the following characters: "A-Z", "_", or "a-z".
- After the first character any UTF-8 Character can be used except the Space Character " ".

Known Issues

- AR-3237 – Multi-TL Export can incorrectly display data acquired at the same time on two separate rows.
- AR-3518 – CopperCube CSV Sample Export doesn't provide Object Name only Object ID.-
- AR-3327 – On the Trend Log Management Page, The User Interface refresh button only refreshes the data table, not the page.
- AR-3560 – Historian Import can Pause/Halt on very long Imports
- AR-3073 - USB Fails to attach to CopperCube