

# CopperCube 1.33 - Release Notes

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## Welcome

Delta Controls is pleased to release CopperCube 1.33.

CopperCube 1.33 provides security and vulnerability updates for the system. For details, see [New Features in CopperCube 1.33](#).

This release notes document communicates important technical information about **CopperCube 1.33.1966**.

## New Features in CopperCube 1.33

CopperCube 1.33 includes many security and vulnerability updates. We highly recommend all sites upgrade to this version to benefit from these fixes.

# 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 on a browser at a minimum screen resolution of 1280 x 1024






























































































### Not Supported

- Safari
- Edge

## enteliWEB Compatibility

The following table lists all versions of enteliWEB and CopperCube. Supported combinations show a  and unsupported show a .

Unsupported combinations may function, but Delta does not provide support should problems occur.

enteliWEB Versions	CopperCube Versions								
	1.06	1.11	1.20	1.21	1.23	1.30	1.31	1.32	1.33
2.1									
2.2									
4.0									
4.1									
4.2									
4.3									
4.4									
4.5									
4.6									
4.7									
4.8									
4.9									

# Upgrading CopperCube

When upgrading CopperCube from an earlier version, it is important to follow the following procedures. Plan your upgrade in such a way as to minimize service disruption. Give yourself plenty of time, ideally during Delta Tech Support operating hours in case of an unexpected problem.

## Supported Upgrade Paths

You may upgrade directly to version 1.33 if the CopperCube is running version 1.20 or later.



If your CopperCube is older than version 1.20, you must first upgrade 1.20. Follow the instructions in [KBA2173](#) for details.

## Back Up Before Upgrade

As with performing any update, it is always recommended to make a backup of the device before upgrading. For more information about backing up the CopperCube, refer to the "Backup and Restore" section in the [CopperCube Application Guide](#).

## Upgrade to 1.33

The 1.33 upgrade occurs continuously in 2 stages. Each stage is known by a distinct audible beep pattern.



The 1.33 upgrade is significant, and takes longer than previous upgrades. Typically, the upgrade will run for 30 to 60 minutes. As long as the device is periodically beeping, do not remove power or reboot the device. Doing so will interrupt the upgrade, and has the potential to cause damage to the CopperCube.

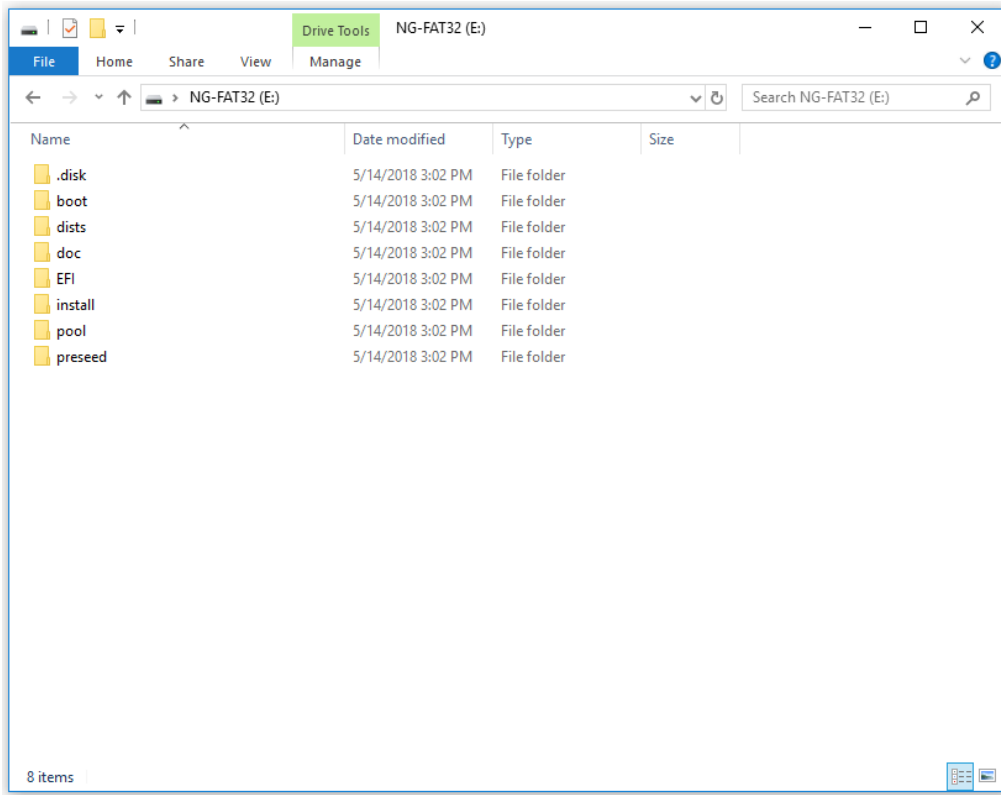



The 1.33 download is large (3.5 GB). When an online upgrade is started, the CopperCube will download the update from the internet. As a result, the site's internet speed will impact the total time required for the upgrade. If downtime of the device during the upgrade is a concern, a USB upgrade is recommended.

## Using USB Upgrade

1. Remove all USB drives from the CopperCube.
2. Reformat your USB drive as FAT32 format.
3. Download the CopperCube 1.33 installer from the [Delta Controls Support Site](#).

4. Extract the ZIP file to the root of the USB drive. You should see a structure like this:



5. Plug the USB drive into the CopperCube.
  1. A low-high beep indicates the CopperCube has recognized the USB device.
  2. After approximately 2 minutes, you should hear the CopperCube play the second half of a tune you'll likely recognize, and the CopperCube will restart.
6. After the CopperCube comes back online, the device will emit a low-high beep when it detects the USB device. The second stage of the upgrade process is then initiated.
  1. The CopperCube will emit a single beep every 10 seconds, to indicate the device is still performing the 1.33 upgrade.
  2. This stage takes the longest to complete. At this point, the status page of the CopperCube Graphical User Interface (GUI) is not accessible through a web browser.
  3.  DO NOT interrupt this step by removing the USB device, or rebooting/removing power from the CopperCube.
7. When step 6 has completed, the CopperCube will stop the 10 second beep pattern and will reboot.
8. After the CopperCube has come back online, it emits a low-high beep when it detects the USB drive. This is quickly followed by a high-low beep when the CopperCube confirms that there are no new updates available on the USB drive.
9. Remove the USB drive when all of the following have occurred:
  1. High-low beep played that confirms no new updates are detected on the USB drive.
  2. A period of silence for 5 minutes, when no beeps are emitted, after the CopperCube has restarted.
  3. The status page of CopperCube indicating the version of the device is 1.33.1966.

## Using Manual Web Upgrade

1. Log in to the CopperCube using your known credentials.
2. Click on the Settings tab in the header, and locate Basic Settings.
3. Scroll down the page to the System Updates section.
4. Click the Check Now button under the Check for Update row, triggering an update check within the CopperCube.

### System Updates

Last check for update at:	N/A
Last updated:	N/A
Check for update:	<b>Check now</b>
Turn on automatic update:	<input checked="" type="checkbox"/> Thursday 01:00 <b>Set Auto-Update Schedule</b>

5. If an update is found, the button will present the user with the option to Update Now.

## Using Scheduled Web Update

1. Log into the CopperCube using your known credentials.
2. Click on the Settings tab in the header, and locate Basic Settings.
3. Scroll down the page to the System Updates section.
4. Select the Turn On Automatic Update checkbox,, and set the day of week and time of day for the update to run.

### System Updates

Last check for update at:	N/A		
Last updated:	N/A		
Check for update:	<input type="button" value="Check now"/>		
Turn on automatic update:	<input checked="" type="checkbox"/>	Thursday ▼	01:00 ▼ <input type="button" value="Set Auto-Update Schedule"/>

5. Press the Set Auto-Update Schedule button to save the settings.

## Resolved Issues

The following notable issues are fixed in version 1.33.1966:

- AR-4030 - CopperCube cannot save objects from O3 devices - read access denied
- AR-4029 - CopperCube cannot save AV/BV/AI/BI objects from O3 devices
- AR-4458 - Using web update for 1.33 beta can leave the CopperCube in a state which requires a manual reboot

The following notable issues are fixed in beta version 1.33.1931:

- AR-4327 - Heartbeat logs can consume a large amount of disk space if many allowed ranges are used
- AR-4395 - Improve factory restore feature
- QS-6719 - Objects are not being recognized in DNT-T305 devices

## Known Issues

### Issues Carried Forward From Previous Versions

- AR-3692 – Trend Log Discovery Automatically detects Historian Trend Log
- AR-3327 – On the Trend Log Management Page, The User Interface refresh button only refreshes the data table, not the page
- AR-4339 - When an object is monitored by multiple trend logs, the trend log instance returned by the API is not consistent
- AR-4240 - Site rename does not re-apply the BACnet Device Filter (user must reboot the CopperCube)
- AR-4241 - Site rename will fail to rename TLs which are actively being processed

## Document Control

Revision	Date	Changes
1	August 14, 2018	Created document to accompany build 1.33.1966