



UPGRADING AND CLONING AKRON BRASS PRODUCTS USING A USB FLASH DRIVE OPERATING INSTRUCTIONS

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These Instructions apply to Akron Brass Firefighting Monitor controllers that have an integral USB port. The controller and other devices connected to its CAN bus can be updated using the procedures in this document. Please consult the Instruction Manual that came with your Akron Brass product for additional details on updating and operating the device.

USB Flash Drive Requirements

Note the following requirements for the USB Flash drive that will be placed in the Akron Brass Monitor controller:

1. The USB Flash drive must be compliant with the USB 2.0 (High Speed USB) standard.
2. The USB Flash drive must be formatted using the FAT32 file system. This is the default file system when formatted with the Windows® operating system.
3. Files that will be used to update the devices must be placed in the root directory of the USB Flash drive. If they are placed in a sub-folder, they will not be recognized by the controller.
4. USB extension cables should not be used. Plug the USB Flash drive directly into the controller.
5. Newer version USB Flash drives such as USB 3.0 (SuperSpeed USB) drives can be used as long as they are compatible with the USB 2.0 standard.

Firmware Update Procedure

Use the following procedure to update the controller or other Akron Brass CAN products connected to it. If updating multiple devices, repeat the following procedure for each device.

1. Using a personal computer, copy the device software update files onto the root directory of the USB Flash drive. Device software update files may be obtained from the Akron Brass website. Update files will generally be found under the Downloads/Updates Tab of the product information webpage. Most products will have 3 different types of software update files:
 - a. System File
 - b. Pcode File
 - c. Config Fil

The most recent version of each file should be copied onto the root directory of the USB flash drive.

2. Insert the USB Flash drive while the controller is not powered.
3. Apply power to the controller.
4. Wait until the device indicates that the programming operation is completed. If there is not an assigned indication for your device, please wait 5 minutes to allow the operation to complete.
5. Remove power to the system and remove the USB Flash drive. Power must be removed from all devices that have received an update.
6. Apply power to the system to begin operation with the new updates.

Monitor Cloning Procedure

Use the following procedure to copy and duplicate the configuration of an Akron Brass Firefighting Monitor controller. The configuration of the donor controller must first be copied to the USB Flash Drive. The USB Flash drive may then be used to duplicate the configuration on an identical system.

Prepare USB Flash Drive for Monitor Cloning

1. Using a personal computer, delete all files from the root directory of the USB Flash Drive.
2. Insert the USB Flash drive while the donor controller is not powered.
3. Apply power to the controller.
4. Wait until the device indicates that the copy operation is completed. If there is not an assigned indication for your device, please wait 5 minutes to allow the operation to complete.
5. Remove power to the controller and remove the USB Flash drive. The USB Flash drive is ready for cloning a controller configuration.

Create a Monitor Clone

1. Remove power from the Akron Brass Monitor controller to be cloned.
2. Insert the previously prepared USB Flash drive while the controller is not powered.
3. Apply power to the controller.
4. Wait until the device indicates that the programming operation is completed. If there is not an assigned indication for your device, please wait 15 minutes to allow the operation to complete.
5. Remove power to the controller and remove the USB Flash drive.
6. Apply power to the controller and verify new configuration.

Clone Compatible Monitors

3000 Aeromaster
3480 StreamMaster II
3482 StreamMaster II



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