

TIME MACHINES **FIRMWARE UPDATE GUIDE**

This application works for: TM1000A, PoE Digital Clock Controllers, Wifi Clock Controllers, and DotMatrix Products.

Installation Instructions:

1. Extract the downloaded .zip file to the desktop or other convenient location.
2. Double click "TMFlashSetup.exe" to install flash update software. (Win 10 and newer)
3. When prompted to allow installer to install the application, select yes.
4. Choose either the default directory or choose custom installation directory.
5. Select "Agree" to Install, and follow the install wizard instructions.
6. Once complete, open web browser for the TimeMachines product being updated. (Note the IP Address and MAC address)
7. Open TMFlash (From shortcut on Desktop)

Operating Instructions:

1. Enter the IP address for the device to be updated. (For digital clocks, the button can be double-clicked to scroll the IP address.)
2. The MAC address should be read automatically from the device being updated.
3. Drag and drop the update file (".bin" extension) or click the drop area to open a file dialog.

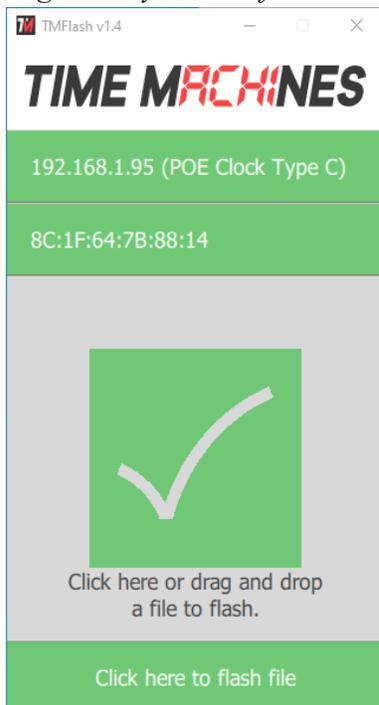
**When completed, the update button will be revealed.*

**If for any reason the device and the update file do not match, an error will be shown. Verify that the file is for the device specified.*

**Once the devices has been successfully updated, the application will allow update to additional devices.*

**Update generally takes a few seconds to start and then 10-15 seconds to complete.*

Network	
Use DHCP	<input checked="" type="checkbox"/>
IP	<input type="text" value="10.10.42.27"/>
Netmask	<input type="text" value="255.255.0.0"/>
Gateway	<input type="text" value="10.10.0.1"/>
Primary DNS Server	<input type="text" value="8.8.8.8"/>
Secondary DNS Server	<input type="text" value="8.8.4.4"/>
MAC	<input type="text" value="00:50:C2:D3:F0"/>

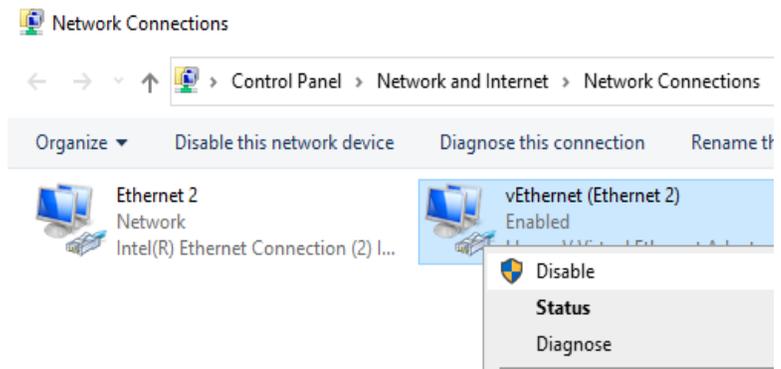


Uninstall Instructions:

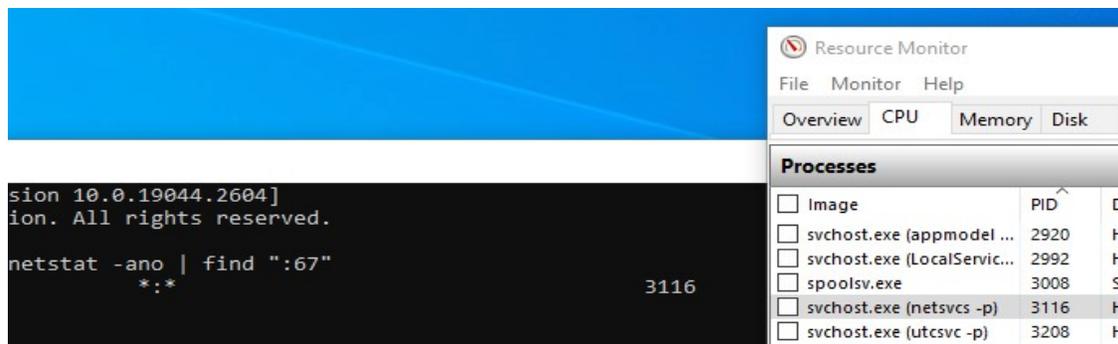
To uninstall, select Uninstall TMFlash from the start menu. This will completely remove the application and any files related to it from your computer.

TM-Flash Troubleshooting and Common Issues:

- **Run as Admin:** In some instances, TM-Flash requires elevated access to perform an update.
- **Firewall or Anti-Virus software:** Some software will block TM-Flash from functioning normally. Please try disabling these applications and retrying the update.
- **Trying to update across subnets:** A broadcast message must be receivable from TimeMachines product to the Windows computer for the process to work. This may require re-locating the network connection points.
- **TFTP server running on update computer:** The update process uses TFTP, if there is already a TFTP server running, it must be disabled for the update process to work
- **Multiple Network Adapters:** TM-Flash will on occasion attempt to use the incorrect network adapter. Temporarily disabling unnecessary network adapters can ensure TM-Flash uses the correct one.



- **Other Software Using Ports 67, 68, 69:** Open a Command Prompt and use the commands below to identify if another software is occupying these ports.
 - `netstat -ano | find ":67"`
 - `netstat -ano | find ":68"`
 - `netstat -ano | find ":69"`
 - If these commands find something, you'll have to identify what software running is associated with the Process ID found. Temporarily closing, disabling or uninstalling this software can free the port for TM-Flash to use.



- **Note:** WiFi clocks must be updated through the wired interface. Updating through WiFi is not supported.