## **Application Note**

# **Firmware Update Process**

#### Introduction

This document will describe the procedure for updating the firmware on your DSP meter. For this example, we will be using the 360 DSP, although the procedure is the same for the entire New DSP Family.



Before updating the firmware, make sure the battery is fully charged or the meter is powered via the AC to DC Power Adapter & Battery Charger.

Select the **Setup** softkey to display the **Setup** menu as shown in the image to the right.

Select the **Update FW** icon to update the firmware of the meter.



The **Update Firmware** screen will be displayed as shown in the image to the right. This screen allows you to perform a firmware update. Before performing a firmware update, you must accept the End User License Agreement (EULA) by selecting the **Accept** softkey.

🛡 Update Firmware			14.1 V 📂		
	Current		New		
Package	V13.10.16.141	-			
Kernel	2.6.36-V13.06.21.01	-			
Library	V13.06.21.1	-			
IMPORTANT PLE AGREEMENT C/ INSTALL: This between you (e ("Trilithic") for t components. m	IMPORTANT PLEASE READ THE TERMS AND CONDITIONS OF THIS LICENSE AGREEMENT CAREFULLY BEFORE CONTINUING WITH THIS FIRMWARE INSTALL: This End-User License Agreement ("EULA") is a legal agreement between you (either an individual or a single entity) and Trilithic, Inc. ("Trilithic") for the 180 DSP firmware as well as all associated software components, media, printed materials, and "online" or electronic				
Selected Firm	ware = Unknown				
Accept					

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### Update Firmware from Website

Perform the following steps to update the meter firmware from a website. For this example, we'll connect to the internet using the Ethernet connection:

- 1. Connect an Ethernet cable to the Ethernet Port of the meter.
- 2. Select the **Function** button and select the **Network Manager** function from the **Function** menu, as shown in the image to the right.



- 3. Select the **Ethernet** connection button from the **Network Manager** window as shown in the image to the right.
- 4. Adjust the Ethernet settings as desired and then select the **Login** button.

	Trouble	shoot	13.9 V 19-Dec-2013 14:28:18		
	<b>Network Manager</b>				
	0 DOCSIS	<mark>ဖ</mark> Ethernet	0 Wi-Fi	0 Bluetooth	
	Unavailable				
	Ethernet Settings				
Si	ngle Channe	l Menu		<u>الم</u>	
	Autotest	Troubleshoot	Setup	Utility	

- 5. When connected, select the **Accept** softkey.
- 6. From the **Accept** pop-up menu, select the **Web Firmware** button as shown in the image to the right.

🛡 Updat	te Firmware	14	4.2 V 🃂		
	Current	New	1		
Package	V13.10.16.141	<b>→</b>			
Kernel	2.6.36-V13.06.21.01	<b>→</b>			
Library	V13.06.21.1	<b>→</b>			
IMPORTANT PLE AGREEMENT CA INSTALL: This E between you (e ("Trilithic") for t Web Firmw USB Firmw	IMPORTANT PLEASE READ THE TERMS AND CONDITIONS OF THIS LICENSE AGREEMENT CAREFULLY BEFORE CONTINUING WITH THIS FIRMWARE INSTALL: This End-User License Agreement ("EULA") is a legal agreement between you (either an individual or a single entity) and Trilithic, Inc. ("Trilithic") for the 180 DSP firmware as well as all associated software Web Firmware UNRNOWN				
Accept					

## **Application Note**

7. Once you have selected the firmware file for download, select the **Download** softkey to download the firmware file.

🛡 Update	e Firmware		13.8V <u>ຯ(</u> )
	Current		New
Package	V12.09.17.88	→	
Kernel	2.6.36-V12.07.05.01	→	
Library	V12.09.17.88	→	
Cable Modem	US3A:V12.5.21.1	-	
Selected Firmwa	are - un360DSP-incV12	09 25 153	taz
elected Pilling	are – up300D3P-mcv12.	09.23.133	.192
Select	Download		

- 8. The download progress will be displayed in the activity area of the **Update Firmware** screen as shown in the image to the right.
- 9. Once the download has finished, the new firmware information will be displayed as shown. Select the **Install** softkey to install the firmware file.
- 10. Once the installation is finished, the meter will automatically restart with the new firmware.

🛡 Update	Firmware		13.8 V <u>ダ(</u> )	
Package Kernel Library Cable Modem	Current V12.09.17.88 2.6.36-V12.07.05.01 V12.09.17.88 US3A:V12.5.21.1	* * * *	New V12.09.25.153 2.6.36-V12.07.05.01 V12.09.17.88	
update/files.tgz update/update.sh update/md5.txt Total File(s) Downle Finished	oaded 6			
Selected Firmware = up360DSP-incV12.09.25.153.tgz				
			27 Seconds	
Select		Insta	all	

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## **Application Note**

New DSP Family

### Update Firmware from a USB Flash Drive



*Please ensure you have a USB flash drive that is formatted using the FAT or FAT32 file system and contains no other data.* 

For the latest firmware, contact Trilithic Applications Engineering at <u>support@trilithic.com</u>.



For the 120 DSP, you will also need to use the USB flash drive adapter. Connect it to the USB port of the meter and then attach the flash drive.

Perform the following steps to update the meter firmware from a USB flash drive:

- 1. Insert a USB flash drive into the USB Port of the meter.
- 2. Select the **Select** softkey.
- 3. From the **Select** pop-up menu, select the **USB Firmware** button as shown in the image to the right.
- 4. The **Selected Firmware** window will be displayed as shown to the right. Press the **Enter** button to select the firmware file that you would like to use.

🛡 Update	e Firmware		7.7 V 🦲 🕻
	Current		New
Package	V12.08.07.85		
Kernel	2.6.36-V12.07.05.01	-	
Library	V12.07.05.130		
Cable Modem	US3A:V11.10.12.1		
Web Firmwa	ire		
	Unknown		
USB Firmwa	re		
Select			

🛡 Upda	ate Firmware	7.	7 V	0
	Current	New		
Package Kernel	Selected Firmware			
Library	up360DSP-fullV12.07.30.155.tgz	-		
Cable Mode	up360DSP-incV12.07.30.155.tgz			
Selected Fir				
Selec	t			

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- 5. Once the file has been transferred from the USB flash drive, the new firmware information will be displayed as shown in the image to the right. Select the Install softkey to install the firmware file.
- 6. Once the installation is finished, the meter will automatically restart with the new firmware.

🛡 Update	e Firmware		13.8 V 💋	
Package Kernel Library Cable Modem	Current V12.09.17.88 2.6.36-V12.07.05.01 V12.09.17.88 US3A:V12.5.21.1	* * * *	New V12.09.25.153 2.6.36-V12.07.05.01 V12.09.17.88	
update/files.tgz update/update.sh update/md5.txt Total File(s) Down Finished	loaded 6			
Selected Firmware = up360DSP-incV12.09.25.153.tgz				
			27 Seconds	
Select		Insta	all	



For Additional Help, Contact Trilithic Applications Engineering 1-800-344-2412 or 317-895-3600 support@trilithic.com or www.trilithic.com

Select

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