# PROB

# Firmware Downloads for the PRO2 CDU

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## Purpose

This technical note provides instructions for downloading and upgrading CDU firmware. **Note:** Verify your CDU is a PRO2 model before using this document for upgrading.

Downloading CDU Firmware from the Website

1. From your root C:\ drive, create a folder named temp.

C:\TEMP

2. Obtain the desired firmware version by going to:

http://www.servertech.com/support

3. Click the CDU Firmware Download button as shown:



Sales/Support (775) 284-2000 • Fax: (775) 284-2065 • E-mail: sales@servertech.com • World Wide Web: www.servertech.com © 2018 Server Technology, Inc. All rights reserved. SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE **4.** ALL PRO2 firmware is the same and can be selected with the Smart, Switched, or -48V firmware link buttons.



5. Select the PRO2 Firmware.



6. Once downloaded, move this file to the C:\TEMP folder you created earlier.

## Downloading TYPSoft FTP Server from the Website

Note: This step is only necessary if updating your CDU using FTP.

From the same webpage as above, download and install the TYPSoft FTP Server by choosing the button as shown below:

### TYPSoft FTP Server

#### **TYPSoft FTP server settings**

The following instructions show how to work with the TYPSoft FTP windows:



1. To access the next slide, click Setup and then click Users.

**2.** In the List of Users in the left-pane, click Anonymous to highlight the option, and make a change by increasing the "Max. of User per account:" value from 0 to 10, as follows:

User Setup	in the fact may		Σ	3
List of Users	Password		Directory Access	
Anonymous	<< Encrypt >>		C:\TEMP\	
	Root Directory			
	C:\TEMP\			
	<ul> <li>Disable User Account</li> <li>Virtual Directory Showing "/C:/Directory/" = "/"</li> <li>Max. of User per account:</li> <li>Max. of simultaneous user per account/per IP:</li> <li>Time-Out: (Min) [Max.: 600 min]</li> </ul>	10 0	C:\TEMP\ Add Modify Delete	•
, New User			r⊪es I▼ Download I▼ Delete	
Copulleer			Upload No Access	
			Rename Files and Directories	_
Hename User	File for Welcome Message		Directory	
Delete User			Virtual Link 🔲 Sub Directory Include	,
Save	, File for Goodbye Message			
Close				

**3.** To return to the original TYPSoft window, click **Save**.

**Note:** If preferred, the User Setup window can remain displayed as shown above.

## Methods for Upgrading PRO2 CDU Firmware

#### Upgrading firmware in the CDU using FTP

1. Configure the screen to be as displayed below with the exception of typing in your IP address for "Host".

#### Note: The IP Address is the box where the firmware bin file was placed in C:\TEMP

🔰 Server Technology	EROR Sentry Switched CDU (P/PS)	
Overview		
Monitoring	FTP	
Control	Configure FTP client options	
Configuration	Host:	66.214.210.5
System	Username:	Anonymous
Network	Password:	Change
DHCP/IP	Directory:	C:/TEMP
Email/SMTP	Filename:	pro2-v80x.bin
FTP	Automatic Updates:	Enable
HTTP/HTTPS	Scheduled Day:	Everyday V
	Tect	
RADIUS		
CNMD	Configure FIP server options	
SNTD	FTP Server:	🖉 Enable
Swiles	Apply Cancel	
Sysiog		
TACACS+		
Teinet/SSH		
Access		
Tools		

2. Click **Apply**, then click **Test**. It should take about 10-20 seconds for the test to come back as "Test Passed – update available".

**3.** If the test passed, go to the **Tools > Restart** page, use the drop-down arrow to select the "Restart and download firmware via FTP" option, and click **Apply**.

Server Technology	PROB Sentry Switched CDU (POPS PIPS)	
Overview		
Monitoring	Restart	
Control	Initiate a system restart	
Configuration	Action:	Restart and download firmware via FTP
Tools	Apply Cancel	•
Change Password	•	
Ping		First, select the option
Restart	then click Annly	
View Log		

#### Upgrading CDU firmware

- 1. From the **Configuration > System Files** Menu, choose the desired upgrade file by clicking **Choose File**.
- **2.** To upgrade your CDU, click **Upload**. This will restart the CDU's Management Module but will not interrupt the power the CDU is supplying to the outlets.

Server Technology	EROP Sentry Switched CDU (PIPS)
Overview	
Monitoring	Files
Control	Upload firmware or system configuration files
Configuration	Upload File: Choose File No file chosen
System	Upload
About	
Bluetooth	
Branches	
Cords	
Features	
Files	

Note the upload progress message...

PROB Sentry	Switched CDU (225)	
Tools - Firmwa	ire	
Upload a Syste	em Firmware File	
Select and u	pload a system firmware file (*.bin)	
Select a Sys	tem Firmware File:	Choose File PRO2-V80x.bin Upload in progress Please wait.

#### Upgrading firmware in the CDU over FTPS using an SFTP client

1. Using FileZilla or any compatible FTP client, you can update your PRO2 unit by simply connecting over port 22 and dragging the upgrade file to the root directory in the PRO2 unit as shown below:

🛃 sftp	://admn@10.1.2.133 - FileZilla			_		
File	Edit View Transfer Server	Bookmarks Help				
14 -	· 📝 III 🛱 🐺 🏁 🗱 🏁	🎉 🛷 🔳 🕵	👎 🗥 👘			
Host:	sftp://10.1.2.133 Username:	admn	Password:	••••	Port: 22	Quickconnect
Status:	Connecting to 10.1.2.13	3				
Status:	Connected to 10.1.2.13	3				
Status:	Retrieving directory list	ing				
Status:	s: Listing directory /admn					
Status:	Directory listing of "/ad	mn" successful				

 Click on the pro2-v8\*.bin file and drag the file to the right-side of the pane. The upgrade and subsequent CDU restart will begin automatically. This will not affect the power the CDU is supplying to the outlets.

Local site: C:\TEMP\ TEMP TYPSoft FTP Users D: D: C:\TVPSoft FTP Server D: D: D: D: D: D: D: D: D: D:			•	Remote site: //admn 			
Filename	Filesize Filet	type Last mo	odified	Filename	Filesi	e Filetype	Last modified
<sup>∞</sup> ☐ pro2-v80a.bin	1,099,328 BIN	File 4/17/20	015 9:20:13	config.bak . dictionary.sti . tp.ini . etwork.ini . Sentry4.mib . Sentry4OIDTree.txt . sntp.ini .	7,7- 2,4: 3 153,3 49,2: 1	5 BAK File 9 STI File 9 Configuration settings 1 Configuration settings 3 MIB File 5 Text Document 8 Configuration settings	4/16/2015 2:40:. 9/7/2012 10:10:. 1/20/2015 3:24:. 1/20/2015 3:24:. 12/23/2014 11: 12/23/2014 11: 1/20/2015 3:24:.

#### Upgrading firmware in the CDU over FTP using an FTP client

1. Follow the steps in the Upgrade CDU firmware using SFTPS without specifying a connection protocol parameter. FileZilla will default to FTP using port 21.

🛃 adn	nn@10.1.2.133 - FileZilla			_		
File	Edit View Transfer Server E	lookmarks Help				
过 -	1 🗶 😫 🏹 🖬	🎉 🛷 🔳 🕵	😚 🛝 👘			
Host:	10.1.2.133 Username:	admn	Password:	••••	Port:	Quickconnect 💌
Status:	Connection established,	waiting for welcom	e message			
Status:	Insecure server, it does r	not support FTP over	TLS.			
Status:	Server does not support	non-ASCII character	rs.			
Status:	Connected					
Status:	Retrieving directory listi	ng				
Status:	Directory listing of "/adı	mn" successful				

## Notes

To discover the IP Address of the host box where you placed the bin file, perform the following:

- 1. Click the Start menu and open a command prompt
- 2. From the DOS prompt, enter >ipconfig/all
- 3. Search for:

cmd cmd

**4.** Use this number for your host address.

## **Contact Technical Support**

If you would like assistance with any of the instructions in this technical note, contact Server Technology's Technical Support department as follows:



#### Experience Server Technology's FREE Technical Support

Server Technology understands that there are often questions when installing and/or using a new product. Free Technical Support is provided from 8 a.m. to 5 p.m. PST, Monday through Friday. After-hours service is provided to ensure your requests are handled quickly no matter what time zone or country you are located in.

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