Miller AugmentedArc[®] Software Upgrade Instructions



CONTENTS

Step 1: Download the Software Update Files to a USB Drive	2
Unzip with Windows Explorer	3
Unzip with WinZip	5
Step 2: Install the Latest Teacher Software on Your PC	6
Step 2a: Install the Latest Teacher Software on Your Windows-Based PC	7
Step 2b: Install the Latest Teacher Software on Your MAC PC	9
Step 3: Install the Latest Simulator Software on the Simulator	15
Stand-alone Mode	15
Classroom Mode	17
Step 4: Verifying the Software Update	18

Note: If your system currently has V1.3.1 or earlier, these instructions will not work. Instead, please follow the instructions found <u>here</u>.

Step 1: Download the Software Update Files to a USB Drive

Use a web browser (*Google Chrome is recommended*) to download the latest software update file (**AugmentedArcSoftware_V2_2_X_xxx.zip**) from this location:

<u>https://www.millerwelds.com/support/software/augmentedarc-software</u> (on the website, click on <u>Download Latest</u> <u>Software Update</u> (from V2.x) >>)

Note: This software update file is very large (~1 GB) and may take more than an hour to download.

After the download completes, if you see any warning messages like this, then select the arrow tab and then select "**Keep**".

		Кеер
		Learn more
AugmentedArcSoftwzip is not commonly downloaded and could be dangerous.	Discard	-

Open the downloaded file – AugmentedArcSoftware_V2_2_X_xxx.zip.

	Open
	Always open files of this type
	Show in folder
	Cancel
AugmentedArcSoftwzip	

Use a file unzipping utility to unzip and extract the contents to an empty USB drive. There are different ways to do this. The following pages show two common methods – using Windows Explorer and using WinZip.

Unzip with Windows Explorer

If using the default Windows Explorer unzipping utility, select "Extract all files".

AugmentedArcSoftw	vare V2.2				Search Aug	mentedArcSoftwo	re_V2_0	2
Organize 👻 Extract all files						8== •		6
☆ Favorites	Â	Name Dat	te modified	Туре	Size			
Desktop		augmented-arc.update	9/14/2021	8:57 AM	UPDATE File	1,043,825		
		augmented-arc.md5	9/14/2021	8:58 AM	MD5 File	1 KB		
		AugmentedArc Teacher Software 2.2.0MAC.pkg	9/22/2021	11:41 AM	PKG File	710,835 KB		
	-	R AugmentedArc Teacher Software 2.2.0.exe	9/17/2021	12:39 PM	Application	720,599 KB		

Select the USB drive location and then select **"OK"**. *Note: The letter of the drive may differ based on your computer.*

4 🖳 Computer		*
D SDisk (C:)	-
DVD RW D	rive (D:)	=
🚗 Removabl	e Disk (E:)	
		-

Select **"Extract"**. The extraction process will then begin and may take a few minutes.

🕞 🌗 Extract Compressed (Zipped) Folders	×
Select a Destination and Extract Files	
Files will be extracted to this <u>f</u> older: E:\	Browse
Show extracted files when complete	
	1 I I
	Extract Cancel

The USB drive will then contain 4 files as shown below:

Organize 🕶 🔂 Open Burn	New folder)III • 🚺	0
libraries	^	Name Da	te modified	Туре	Size		
Documents		augmented-arc.update	9/14/2021 8	8:57 AM	UPDATE File	1,043,825	
J Music		augmented-arc.md5	9/14/2021 8	8:58 AM	MD5 File	1 KB	
Personal Documents		AugmentedArc Teacher Software 2.2.0MAC.pk	g 9/22/2021 1	11:41 AM	PKG File	710,835 KB	
Videos		R AugmentedArc Teacher Software 2.2.0.exe	9/17/2021 1	12:39 PM	Application	720,599 KB	
Computer SDisk (C:)	E						
Removable Disk (E:)							
							_

Unzip with WinZip

If using WinZip, select the "Unzip to:" drop-down button.

gmentedArcSoftware_V2_2_0_64	26 (1).zip	Actions Unzip All Files
AugmentedArc Teacher Software 2.2.0.exe Type: Application	Date modified: 9/17/2021 12:39 PM Size: 703 MB → 702 MB	Unzip to: \AugmentedArcS ~
AugmentedArc Teacher Software 2.2.0MAC.pkg Type: PKG File	Date modified: 9/22/2021 11:41 AM Size: 694 MB → 692 MB	Convert & Protect Files
augmented-arc.md5 Type: MD5 File	Date modified: 9/14/2021 8:58 AM Size: 69 bytes → 68 bytes	When adding files to this zip:
augmented-arc.update Type: UPDATE File	Date modified: 9/14/2021 8:57 AM Size: 0.99 GB → 0.99 GB	Convert to PDF Off



The extraction process will then begin and may take a few minutes.

The USB drive will then contain 4 files as shown below:

rganize 🕶 📑 Open Burn	New folder						· · · · · · · · · · · · · · · · · · ·	
	^ Nan	ie A	Date n	nodified	Туре	Size		
Libraries								
Documents	L] au	gmented-arc.update		9/14/2021	8:57 AM	UPDATE File	1,043,825	
Personal Documents	🗋 au	gmented-arc.md5		9/14/2021	8:58 AM	MD5 File	1 KB	
Personal Documents Dicturer	A.	gmentedArc Teacher Software 2.2.0	MAC.pkg	9/22/2021	11:41 AM	PKG File	710,835 KB	
Videos	Rộ Au	gmentedArc Teacher Software 2.2.0).exe	9/17/2021	12:39 PM	Application	720,599 KB	
Computer								
🏭 OSDisk (C:)								
Removable Disk (E:)								

Step 2: Install the Latest Teacher Software on Your PC

Note: Ensure your PC meets these minimum requirements before proceeding:

- Operating System: Windows 7 (64 bits), Windows 8 (64 bits), Windows 10 (64 bits)
- Processor: 2.2 GHz 3 MB
- RAM: 4 GB
- Display (min): 1366 x 768
- Graphics Card: 2GB VRAM Direct X9 compatible graphics card:
 - NVidia GeForce: 750 or better, or 900 Mobile Series or better
 - Radeon: HD 6000 series or better, or HD 7000 Mobile series or better
- Hard Drive: 1 GB

Step 2a: Install the Latest Teacher Software on Your Windows-Based PC

ganize 🕶 🔂 Open Burn	New folder					···· 🖬	
	*	Name	Date modified	Туре	Size		
Documents		augmented-arc.update	9/14/2021	8:57 AM	UPDATE File	1.043.825	
👌 Music		augmented-arc.md5	9/14/2021	8:58 AM	MD5 File	1 KB	
Personal Documents		AugmentedArc Teacher Software 2.2.0MAC	.pkg 9/22/2021	11:41 AM	PKG File	710,835 KB	
 Pictures Videos 		R AugmentedArc Teacher Software 2.2.0.exe	9/17/2021	12:39 PM	Application	720,599 KB	
Computer							
SDisk (C:)	E						
Removable Disk (E:)	_						
	-	•	111				

Double click the AugmentedArc Teacher Software 2.2.0.exe file.

If prompted with this message or a similar message, click "YES".

😗 User	Account Control	to allow the following program from an
	unknown pul	blisher to make changes to this computer?
	Program name: Publisher: File origin:	AugmentedArc_TeacherSoftware_ 2_X_X.exe Unknown Downloaded from the Internet
🕑 si	how <u>d</u> etails	Yes No
		Change when these notifications appear

The installation window will appear, and the installation process will automatically begin.

Regional Arc Teacher Software Setup	
Installing Please wait while AugmentedArc Teacher Software is being installed.	7
AugmentedArc Teacher Software 2.0.2	Cancel

After the installation process is completed, click "Finish".

😼 AugmentedArc Teacher So	itware Setup	
	Completing Augmente Software Setup AugmentedArc Teacher Software ha computer. Click Finish to close Setup.	edArc Teacher
	< <u>B</u> ack	inish Cancel

After a successful installation, shortcuts for the Teacher Software will appear on your desktop and Windows taskbar.

Step 2b: Install the Latest Teacher Software on Your MAC PC

Double click the AugmentedArc Teacher Software 2.2.0MAC.pkg file



Most Mac computers will show the message below saying that the file can't be opened because it is from an unidentified developer. Click OK.



Click on the Apple logo and then click on "System Preferences".

É Finder File Edit View	Go Window Help		🛎 🐺	💭 2.44 GB 间
About This Mac				
System Preferences				
App Store				
Recent Items				
Force Quit Finder て企業の		< > 2.2 Einal version = *		» q
Sleep		Back/Forward Path		Search
Restart		Name	A Date Modified	Size
Shut Down	Uropbox	20210914augmentedArcUpdatebeta426426.zip	Today at 18:42	
Lock Screen ^#Q	Documents	📙 AugmentedArc Teacher Software 2.2.0.exe	Today at 18:46	
Log Out Arion 企業Q	Desktop	AugmentedArc Teacher Software 2.2.0MAC.pkg	Today at 18:47	
	Downloads			
	Applications			
Philip to a realized	NirDrop 🧑			
	ecents			
and and a second	🎵 Music			
	lesson and the second s			
	Creative Cloud Files			
	🗖 MacBook	3 items, 73.7 GB	available	

Click on "Security & Privacy"



In the lower part of the window, it shows the apps that have been blocked. Click on "Open Anyway".



Click on "Open". The window below notifies you that you are opening the file at your risk.



The installation window will appear. Click on "Continue".



Click on "Install".



The installer will ask for your computer's password. Enter your password and click on "Install Software".

•••	🜻 Install Augi	mentedArc Teacher Software
 Introduc Destinat Installati Installati Summar 	 Install Augu Installer is to Enter your pass User Name: Password: 	rying to install new software. sword to allow this. Miller Electric Cancel Install Software
		Go Back Continue

The installation process for the Teacher Software will begin.



When the installation process is finished, click on "Close".



The Teacher Software can be found in Launchpad



Step 3: Install the Latest Simulator Software on the Simulator

Stand-alone Mode

If your AugmentedArc[®] system is setup in Standalone Mode (as is usually the case if you only have one system), follow these instructions. Otherwise, skip to <u>page 17</u>.

Plug the USB drive into any of the USBs port located in the back of the AugmentedArc[®] Simulator.



Login as an instructor. Unless it has been changed, the default instructor login is:

- User Name: Admin
- Password: 1111

Press the "SETTINGS" button shown here:



Select the "Update Software" option.

SYSTEM	SETTINGS		
	System Configuration	Check Components	
	Change Language	Check Front Panel	
	Change Units and Standards	Check Audio	
	Change Date and Time	Check Camera Set	
	Change Mode	Check Displays	
	Change Simulation Settings	Calibrate Electrode Retraction	
	Change Lighting Calibration Options	Configure Foot Pedal	
	Enable WiFi Access Point	and the second division of the second division of the second	
	Restore Factory Defaults	Cameras	
	AN ADDRESS OF THE OWNER WATER OF THE OWNER OF	Configure Camera Set	
	System Information	Restore Factory Camera Calibration	
	Mode: Standalone Software Version: X.X.1 System Certainwater: ProtoArcl System Certificate: Installed Ethernet: IS2168.0.128 Wife: not connected	Detected Video Devices uvc 1-9.4 uvc 1-10.4	
	Update Software	Event Log	
	Show Version List		
	Troubleshooting		
	Connect to Technical Support		
	Copy Screen Captures to USB		
	Copy Log Files to USB		

Select the "USB Stick" option.

SYSTEM SETTINGS					Ø •
System Co	onfiguration		Check C	Components	
Change Language			Check Front Pane	2	
Change Units and S	Standards		Check Audio		
Change Date and T	ïme		Check Camera Sel	t	
Change Mode			Check Displays		
Change Simulation	Settings		Calibrate Electrod	de Retraction	
Change Lighting Ca	libration Options		Configure Foot Pe	edal	
Enable WiFi Access	s Point				
	faulte		Ca	ameras	
Restore Factory De	Select the source	for this ma	nual software upd	date Palibration	
Restore Factory De Syste Syste Software Vers System Serial System Certif	Select the source	e for this man Internet USB Stick	nual software upd	date Calibration	
Restore Factory De Systev Mode: Standa Software Vers System Serial System Certif Ethernet: 192	Select the source	e for this man Internet USB Stick Back	uual software upd	date Calibration	
Restore Factory De Syste Mode: Standa Software Vers System Serial System Certif Ethernet: 192 WiFi: not conl Update Software	Select the source	e for this man Internet USB Stick Back	nual software upd	date Calibration	
Restore Factory De Syste Syste Mode: Standa Software Vers System Certif Ethernet: 192 WifE: not con Update Software Show Version List	Select the source	e for this man Internet USB Stick Back	nual software upd Eve	date Calibration	
Restore Factors for Syste Mode: Standa Software Vers System Certif Ethernet: 192 WifF: not cont Update Software Show Version List	Select the source	e for this mar Internet USB Stick Back	nual software upd Eve	date Calibration	
Restore Factory De Syste Mode: Standa Software Vers System Certif Ethernet: 192 WifF: not con Update Software Show Version List Trouble	Select the source	e for this mai Internet USB Stick Back	nual software upd Eve	date Calibration	
Restore Factory De Syste Mode: Standa Software Vers System Serial System Certif Ethernet: 192 WiFi: not coni Update Software Show Version List Trouble Connect to Technic	Select the source	e for this man Internet USB Stick Back	nual software upd Eve	date Salibration	
Restore Factors for Systi Mode: Standa Software Vers System Serial System Certif Ethernet: 192 WiFi: not coni Update Software Show Version List Trouble Connect to Technic Copy Screen Captu	Select the source	e for this man Internet USB Stick Back	nual software upd Eve	date Calibration	

There will be a short pause as it loads the files from the USB drive. You will then see a message "Installing the new updates. AugmentedArc[®] will reboot when finished..." The process of installing the updates and rebooting the system usually takes about 2 minutes.

Skip to <u>Verifying the Update</u> on page 18.

Classroom Mode

If your AugmentedArc[®] system is setup in Classroom Mode (as is usually the case if you have more than one system), follow these instructions:

Power down the controller AND all connected AugmentedArc[®] simulator systems.

Plug the USB drive into a **black** USB port located in the back of the controller (the blue USB ports are USB 3.0 and may not work).



Press the power button to turn on the controller.

After the controller boots up, it will automatically install the software update. Wait about 5 minutes for this process to complete.

Now, plug the USB drive into any of the USB ports located in the back of the AugmentedArc[®] Simulator. You must do the same process in each AugmentedArc[®] Simulator that is connected to the server to update the software version to V2_2_0.

Step 4: Verifying the Software Update

When the simulator boots up for the first time after the software update, you should see a message on the login screen as shown here:

LOGIN		/// Miller
User:	A B C D E F G H I J K L M N O P O R S T U V W X -Guest- Admin	SYZ >
The software on this simulato improvements. See MillerWeld Be sure to update your Teache	Software Update Successful or has been updated to version V2.x.x , which includes numerou ds.com/aasoftware for details. er Software to maintain compatibility.	is changes and

On the Simulator, you can also verify the software version on the System Settings screen here:

m SETTI	NUS	
	System Configuration	Check Components
	Change Language	Check Front Panel
	Change Units and Standards	Check Audio
	Change Date and Time	Check Camera Set
	Change Mode	Check Displays
	Change Simulation Settings	Calibrate Electrode Retraction
	Change Lighting Calibration Options	Configure Foot Pedal
	Enable WiFi Access Point	and the second se
0	Restore Factory Defaults	Cameras
		Configure Camera Set
	System Information	Restore Factory Camera Calibration
	Mode: Standalone Software Version: x.x.x System Serial Number: ProtoArcl System Certificate: Installed Ethernet: 192/188.0.128 WiFE: not connected	Detected Video Devices uvc 1-9.4 uvc 1-10.4
	Update Software	Event Log
	Show Version List	
	Troubleshooting	
	Connect to Technical Support	
	Copy Screen Captures to USB	
	Copy Log Files to USB	
Der er	A CONTRACTOR OF	

If you encounter any difficulties during the software update process, feel free to contact Miller technical support at (866) 931-9730 (option 3) or email our education products support team at <u>education@millerwelds.com</u>.