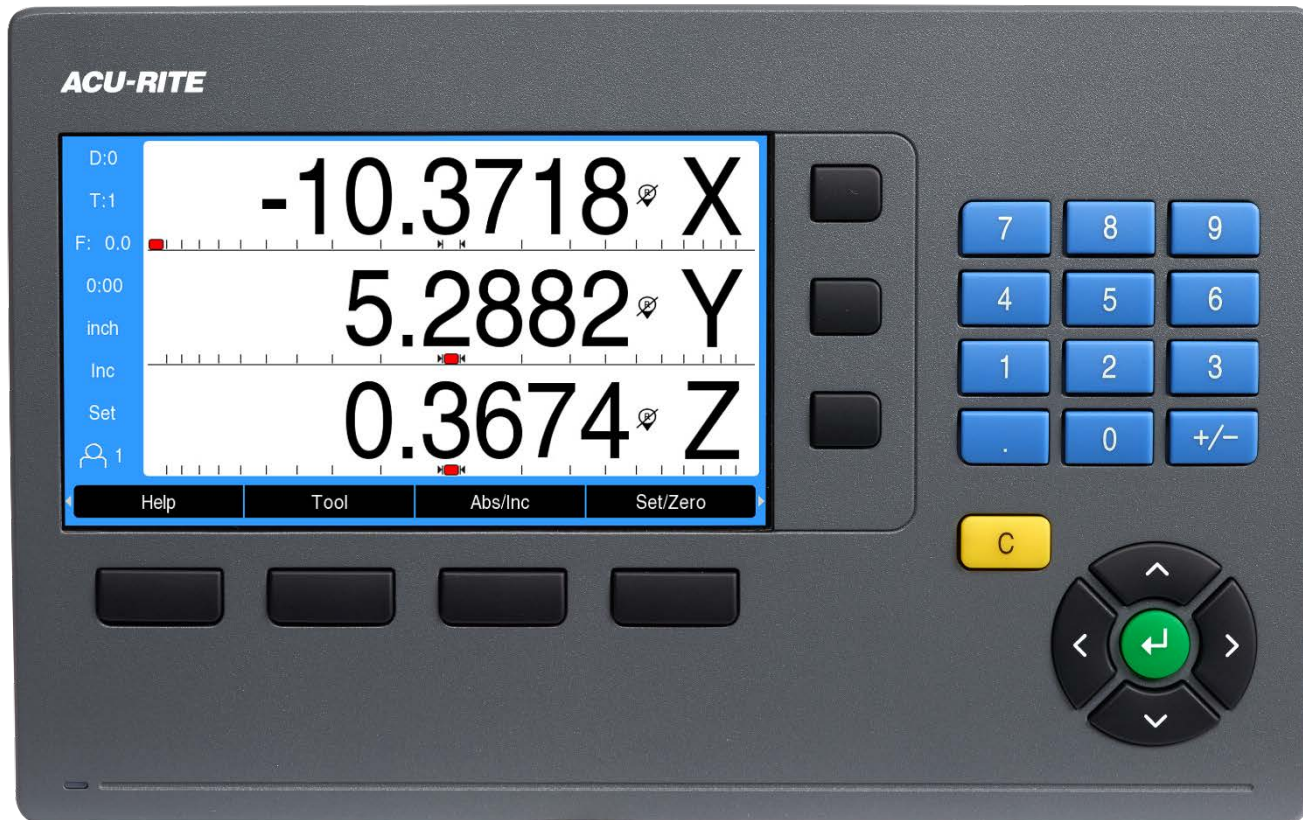


Updating Software on a DRO203 & DRO30X



Updating Software on a DRO203 & DRO30X



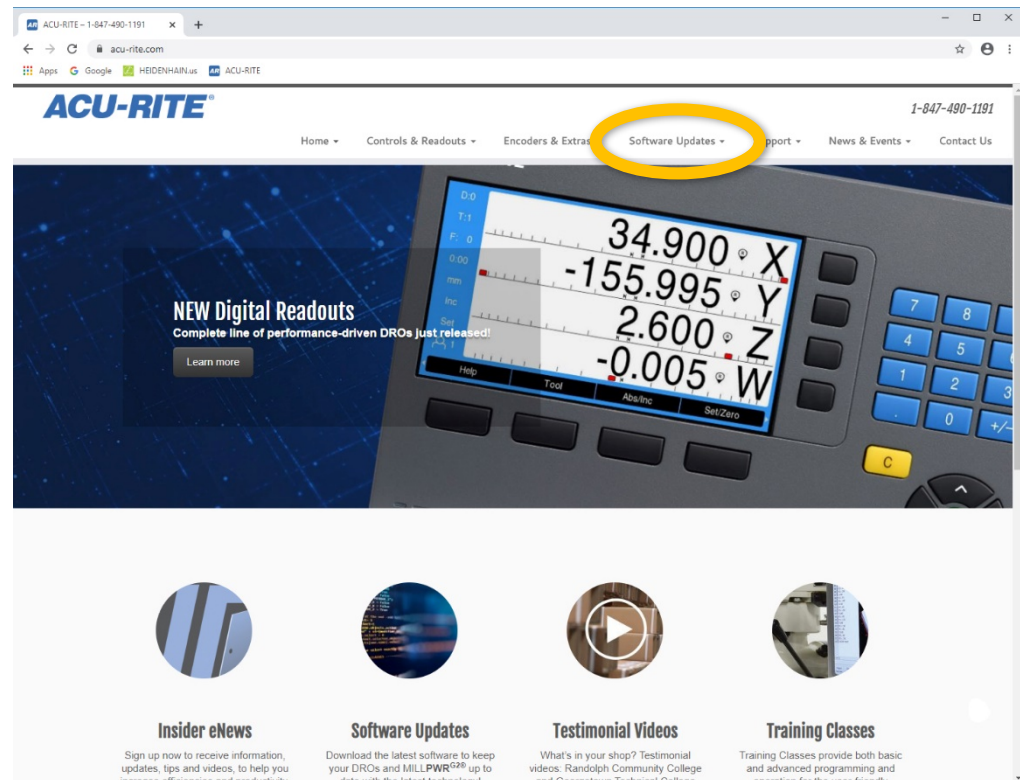
This generation of DRO uses USB C technology.

If your computer does not have USB C, we have the best success when using this type of USB B to C conversion thumb drive.

These can be purchased from almost all computer stores.

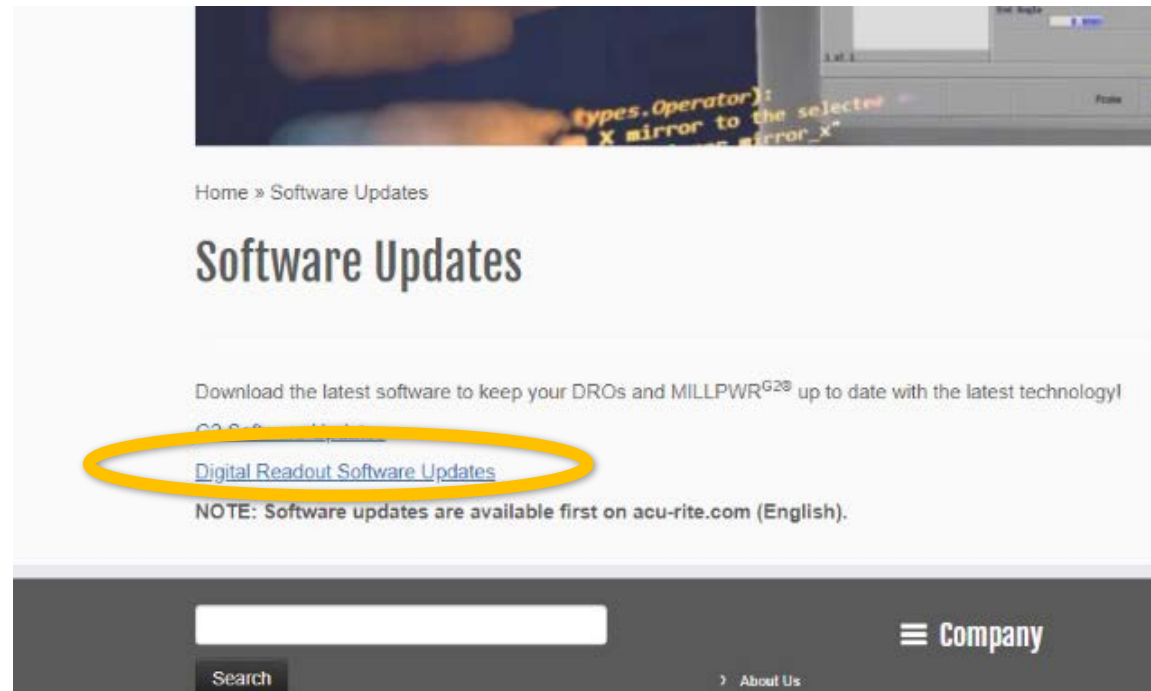
Updating Software on a DRO203 & DRO30X

Go to www.acu-rite.com and click on **Software Updates** at the top of the page.



Updating Software on a DRO203 & DRO30X

Click on [Digital Readout Software Updates](#) on the lower left of the page.



Updating Software on a DRO203 & DRO30X

Current Readout Systems

NOTE: Software updates are available first on acu-rite.com (English).

DRO100	DRO203	DRO300	Additional software
System software DRO100 v.1.4.0 DRO100 v.1.3.2 DRO100 v.1.2.1 DRO100 v.1.2.0 DRO100 v.1.1.0 DRO100 v.1.0.1 DRO100 v.1.0.0	System software DRO200 v.1.4.0 DRO200 v.1.2.1 DRO200 v.1.2.0 DRO200 v.1.1.0 DRO200 v.1.0.1 DRO200 v.1.0.0	System software DRO300 v.1.4.0 DRO300 v.1.2.1 DRO300 v.1.2.0 DRO300 v.1.1.0 DRO300 v.1.0.1 DRO300 v.1.0.0	For DRO10X, DRO203 and DRO30X USB Driver Installer
mpub file (to load on readout) DRO100 v1.4.0, English DRO100 v1.4.0, Chinese	mpub file (to load on readout) DRO200 v1.4.0, English DRO200 v1.4.0, Chinese	mpub file (to load on readout) DRO300 v1.4.0, English DRO300 v1.4.0, Chinese	

Scroll down a little more than halfway, to the **Current Readout Systems** software. It's sorted by DRO, with the most current version is listed at the top.

Updating Software on a DRO203 & DRO30X

Current Readout Systems

NOTE: Software updates are available first on acu-rite.com (English).

DRO100	DRO203	DRO300	Additional software
System software DRO100 v.1.4.0 DRO100 v.1.3.2 DRO100 v.1.2.1 DRO100 v.1.2.0 DRO100 v.1.1.0 DRO100 v.1.0.1 DRO100 v.1.0.0	System software DRO200 v.1.4.0 DRO200 v.1.3.2 DRO200 v.1.2.1 DRO200 v.1.2.0 DRO200 v.1.1.0 DRO200 v.1.0.1 DRO200 v.1.0.0	System software DRO300 v.1.4.0 DRO300 v.1.3.2 DRO300 v.1.2.1 DRO300 v.1.2.0 DRO300 v.1.1.0 DRO300 v.1.0.1 DRO300 v.1.0.0	For DRO10X, DRO203 and DRO30X USB Driver Installer
mpub file (to load on readout) DRO100 v1.4.0, English DRO100 v1.4.0, Chinese	mpub file (to load on readout) DRO200 v1.4.0, English DRO200 v1.4.0, Chinese	mpub file (to load on readout) DRO300 v1.4.0, English DRO300 v1.4.0, Chinese	

The [USB Driver Installer](#) is the software required to load on a computer to communicate through a USB Cable (for the “Send Position” feature).

Updating Software on a DRO203 & DRO30X

Current Readout Systems

NOTE: Software updates are available first on acu-rite.com (English).

DRO100	DRO203	DRO300	Additional software
System software	System software	System software	For DRO10X, DRO203 and DRO30X
DRO100 v.1.4.0	DRO200 v.1.4.0	DRO300 v.1.4.0	USB Driver Installer
DRO100 v.1.3.2	DRO200 v.1.3.2	DRO300 v.1.3.2	
DRO100 v.1.2.1	DRO200 v.1.2.1	DRO300 v.1.2.1	
DRO100 v.1.2.0	DRO200 v.1.2.0	DRO300 v.1.2.0	
DRO100 v.1.1.0	DRO200 v.1.1.0	DRO300 v.1.1.0	
DRO100 v.1.0.1	DRO200 v.1.0.1	DRO300 v.1.0.1	
DRO100 v.1.0.0	DRO200 v.1.0.0	DRO300 v.1.0.0	
mpub file (to load on readout)	mpub file (to load on readout)	mpub file (to load on readout)	
DRO100 v1.4.0_English	DRO200 v1.4.0_English	DRO300 v1.4.0_English	
DRO100 v1.4.0. Chinese	DRO200 v1.4.0. Chinese	DRO300 v1.4.0. Chinese	

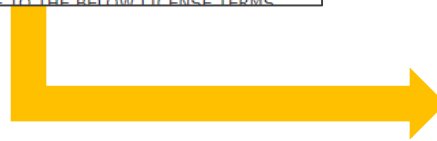
The mPub files are also located on this page. They're the onboard User Manual inside the DRO.

Updating Software on a DRO203 & DRO30X

License Agreement

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PLEASE READ CAREFULLY: BY DOWNLOADING ANY OF THE SOFTWARE FOUND at [HTTP://WWW.HEIDENHAIN.COM/EN_US/SOFTWARE/](http://www.heidenhain.com/en_us/software/) (THE "SOFTWARE") YOU AGREE TO THE LICENSE TERMS SET FORTH BELOW. IF YOU DO NOT AGREE TO THE BELOW LICENSE TERMS



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You must agree with the terms and conditions of the software.

☒ I agree to the terms and conditions.

Updating Software on a DRO203 & DRO30X

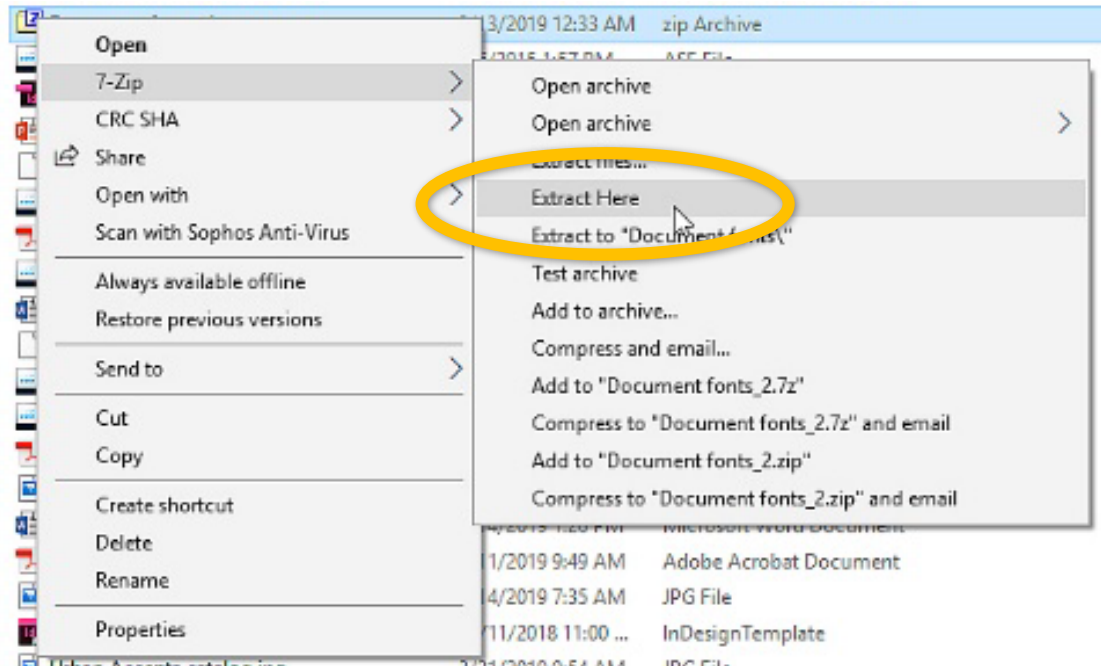
File download

Click to download: [DRO300_v1.3.1.zip](#)

Click to download the .zip file and store it on a USB 3.1 Type-C Dual USB Drive. The DROs don't work well with thumb drives that are "adapted."

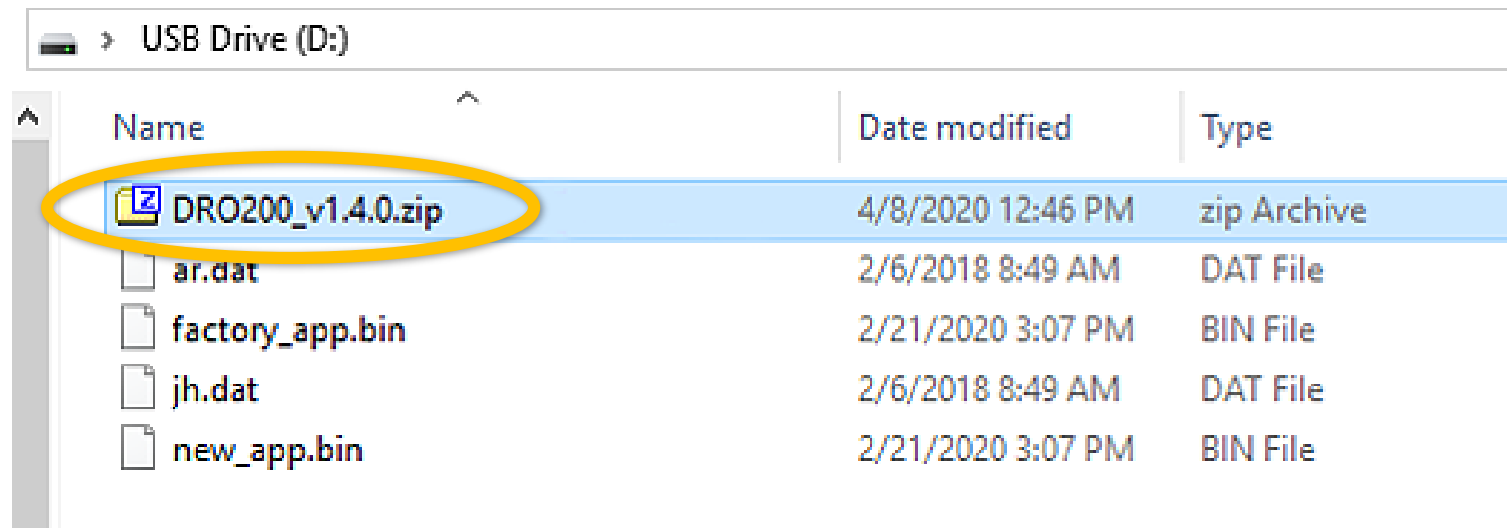


Updating Software on a DRO203 & DRO30X








Extract all the zipped files onto the USB.

Updating Software on a DRO203 & DRO30X

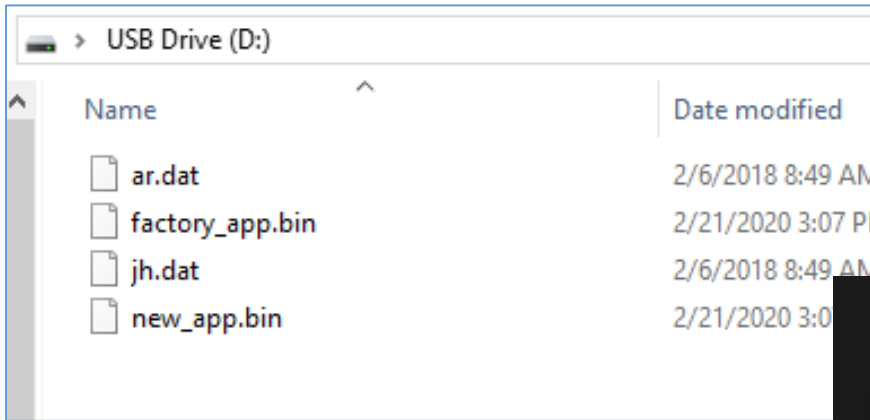


The screenshot shows a Windows File Explorer window titled 'USB Drive (D:)'. It displays a list of files and folders. The file 'DRO200_v1.4.0.zip' is highlighted with a yellow circle. The table below represents the data shown in the screenshot.

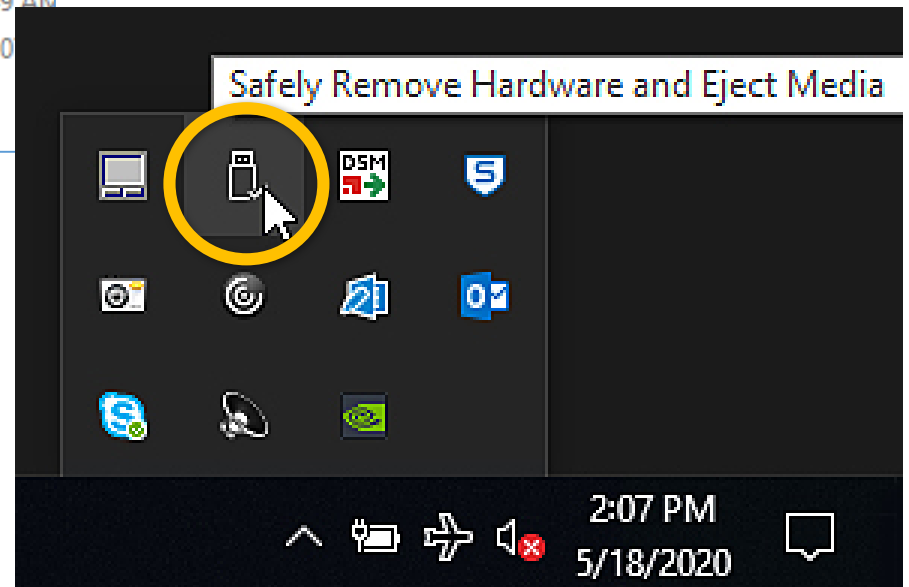
Name	Date modified	Type
 DRO200_v1.4.0.zip	4/8/2020 12:46 PM	zip Archive
 ar.dat	2/6/2018 8:49 AM	DAT File
 factory_app.bin	2/21/2020 3:07 PM	BIN File
 jh.dat	2/6/2018 8:49 AM	DAT File
 new_app.bin	2/21/2020 3:07 PM	BIN File

After you extract the files onto your USB, delete the zip archive file from the USB.

Updating Software on a DRO203 & DRO30X



After you have deleted the zip archive file, be sure to eject the thumb drive properly from your computer so you don't corrupt any of the files.



Updating Software on a DRO203 & DRO30X

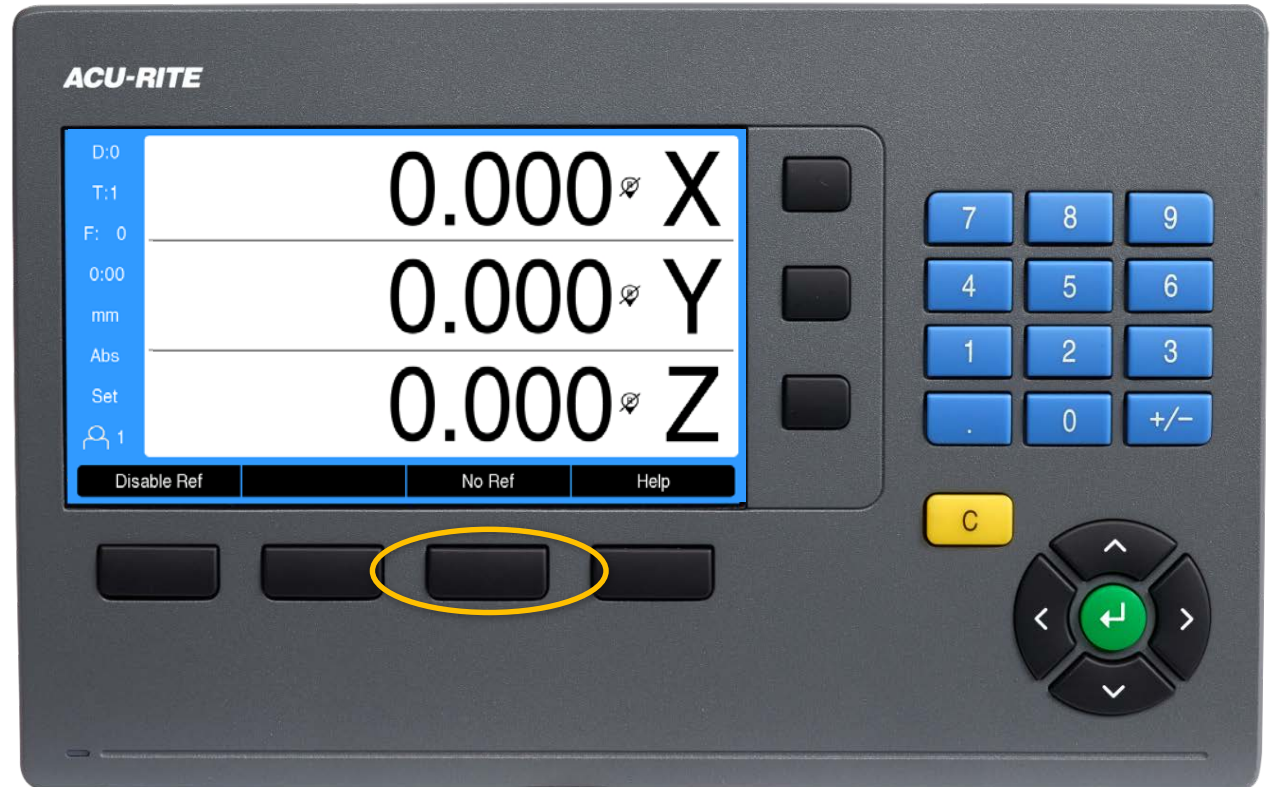
Power up the box.
When prompted,
press any key to
continue.



The power switch is located on the back,
directly under the power cord.

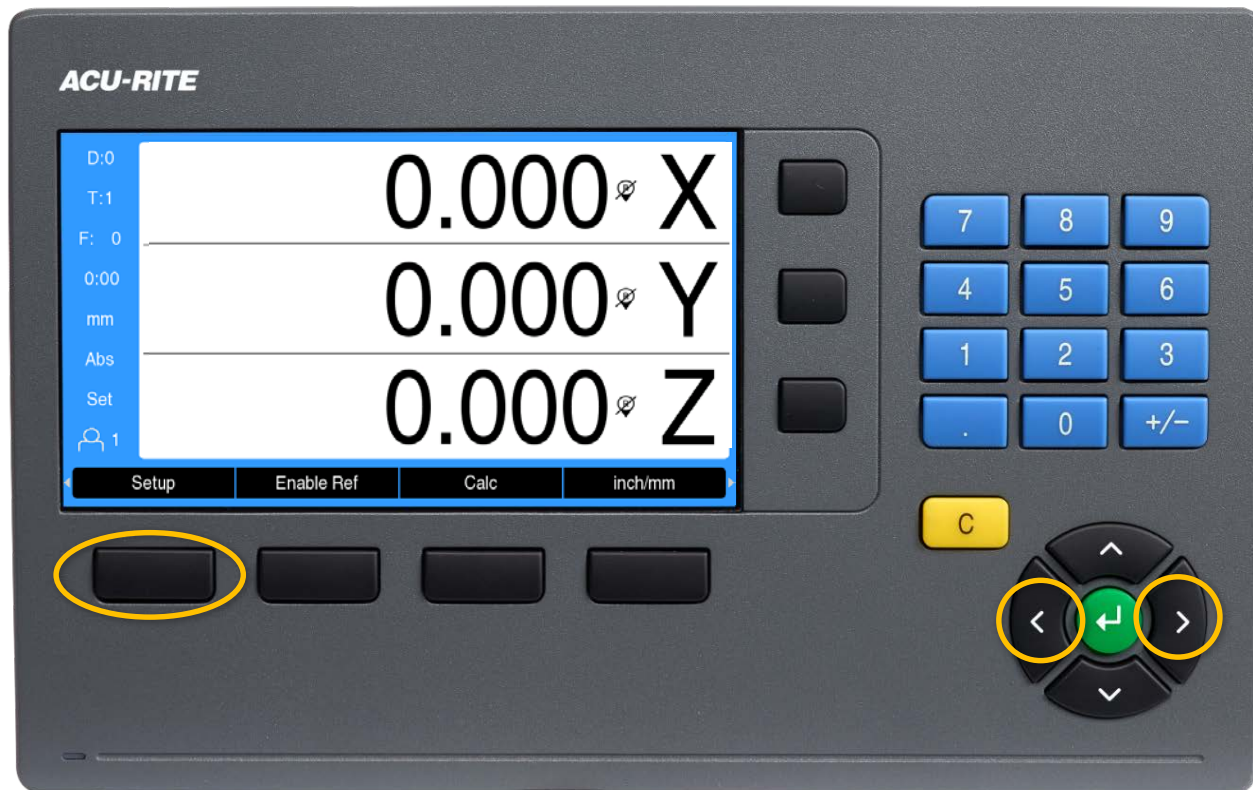
Updating Software on a DRO203 & DRO30X

To start out, reference your encoders or press the **No Ref** soft key to continue.



Updating Software on a DRO203 & DRO30X

Use the **left** or **right arrow** key to locate the **Setup** menu. Then press the **Setup** soft key.



Updating Software on a DRO203 & DRO30X

Press the green
enter key twice.



Updating Software on a DRO203 & DRO30X

Using the number keypad, enter the passcode **8891**. Then press the **enter** key.



Updating Software on a DRO203 & DRO30X

Press the **left arrow** key once.



Updating Software on a DRO203 & DRO30X

Use the **up** and **down arrow** keys to highlight the **Job Setup** menu, and then press **enter**.



Updating Software on a DRO203 & DRO30X

Use the **up** and **down arrow** keys to highlight the **System Information** menu, and then press **enter**.



Updating Software on a DRO203 & DRO30X

Take note of the **Software Version** and **Bootloader Version**, so you can identify that you have the latest one.



Updating Software on a DRO203 & DRO30X

Press the **left arrow** key once to get back to the configuration menu.



Updating Software on a DRO203 & DRO30X

Insert the USB C into the back of the DRO. Be sure that it is firmly seated into the x31 port.



Updating Software on a DRO203 & DRO30X

Use the **up** and **down arrow** keys to highlight the **File Management** menu, and then press **enter**.



Updating Software on a DRO203 & DRO30X

From this screen, you can import or export a multitude of files. Use the **up** or **down arrow** keys to scroll up or down.



Updating Software on a DRO203 & DRO30X

Use the **up** and **down arrow** keys to highlight the **Product Software** menu, and then press the **right arrow** key once.



Updating Software on a DRO203 & DRO30X

Use the **up** and **down arrow** keys to highlight the word **Install**, and then press the **enter** key three times to install.



Updating Software on a DRO203 & DRO30X

Sit back and relax. You don't need to do anything. The DRO will update itself and reboot automatically.



Updating Software on a DRO203 & DRO30X

At this time, you should also repeat this procedure to update the mPub. It's not required. But if you don't update it, new features will not be in the user manual inside the DRO.



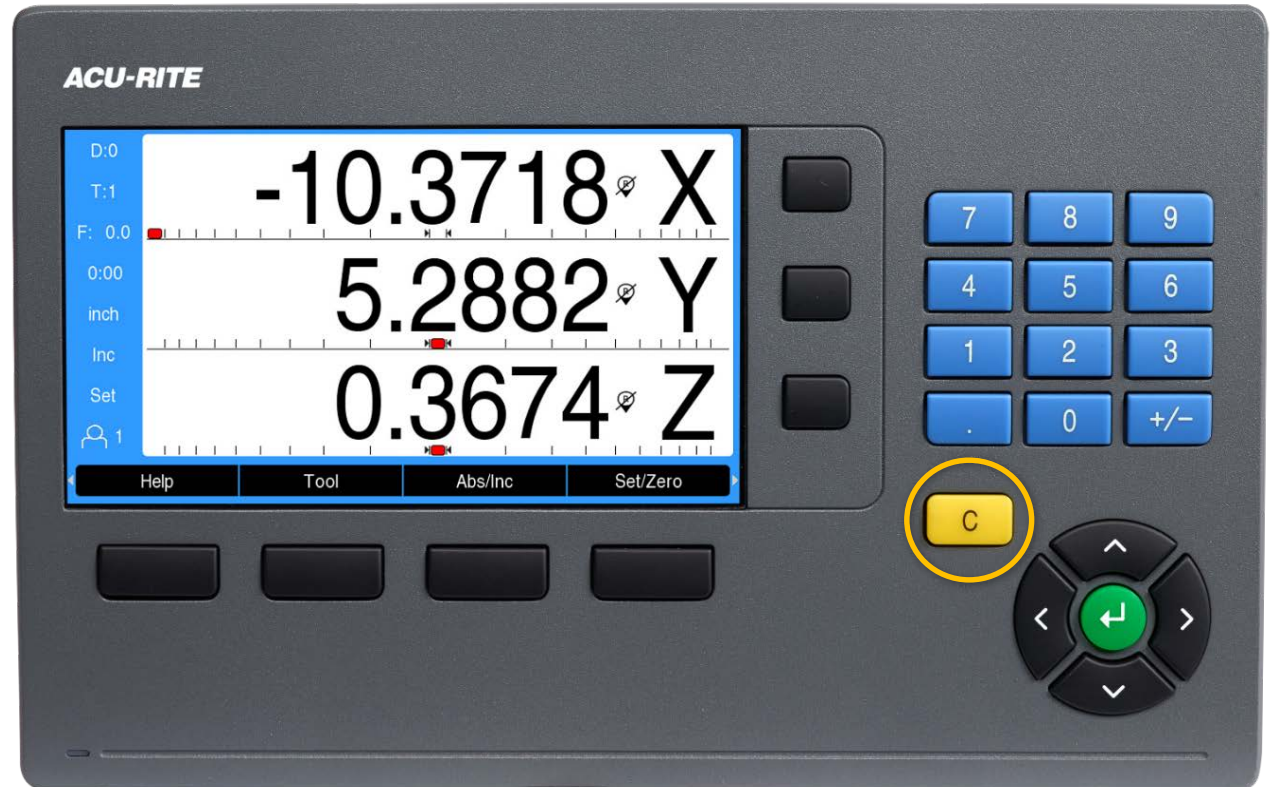
Updating Software on a DRO203 & DRO30X

All the steps are the same, except to load the mPub, select **Operating Instructions** instead of Product Software.



Updating Software on a DRO203 & DRO30X

After you load the mPub, press the yellow **C** key until you return to the DRO screen. Now you can use the DRO.



Thank you for choosing
ACU-RITE®

If you need further assistance,
please call or email our
Technical Support Department
M-F 7am to 5pm CT

(847) 490-0351
techsupporthc@heidenhain.com



ACU-RITE®

What's in your shop?

ACU-RITE's NEW complete line of performance-driven Digital Readout Systems for all of your manual machine applications:
Milling, Turning, Grinding, Boring, EDMs

The advertisement displays three ACU-RITE digital readout (DRO) systems. The top unit shows coordinates 1.360 X and -0.735 Y. The bottom left unit shows a circular diagram with a point highlighted. The bottom right unit shows coordinates 34.900 X, -155.995 Y, 2.600 Z, and -0.005 W. A linear encoder is shown in the bottom right corner.

www.acu-rite.com

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