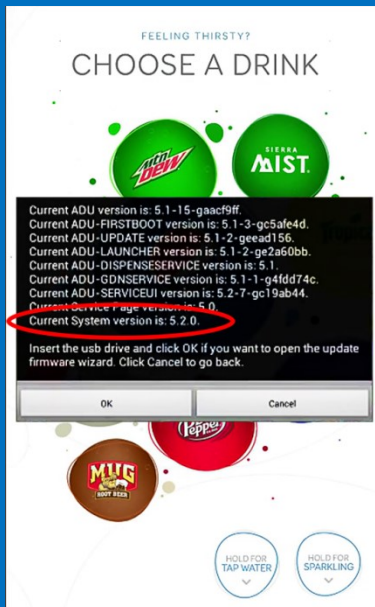


1. Go to the update screen



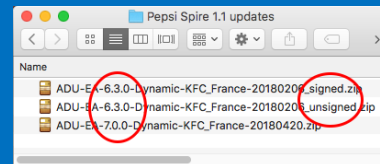
From the menu, touch the four corners in the order **1-2-3-4**.

2. Check the System version



The System version is the last item on the update screen.

3. Get the correct update



If you have System version 6.2.2 or earlier:

→ **6.3.0 unsigned** update.

If you have System version 6.3.0 or later:

→ **6.3.0 signed** update
or

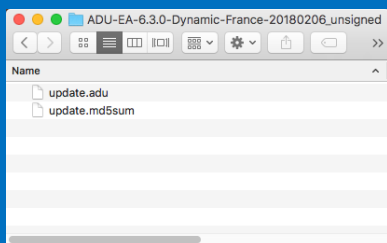
→ **7.0.0** or later update

WARNING

Do not install a 5.2.0 update onto a Spire running System version 6.2.2. This will disable your Spire.

4. Extract files and copy them to a USB drive

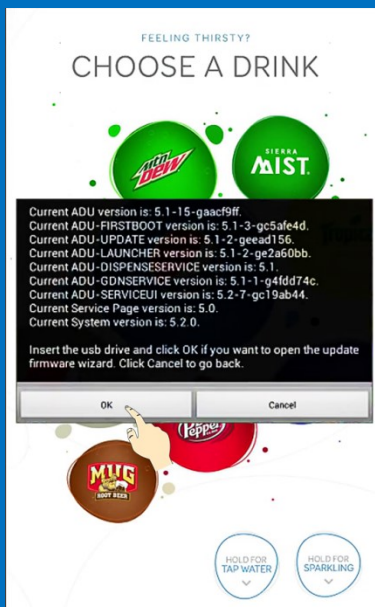
- Extract **update.adu** and **update.md5sum** from the downloaded update.
- Copy both files onto a USB thumb drive.



The files must be in the root directory of the USB drive (i.e. not in a folder), and the USB drive should contain no other files or directories.

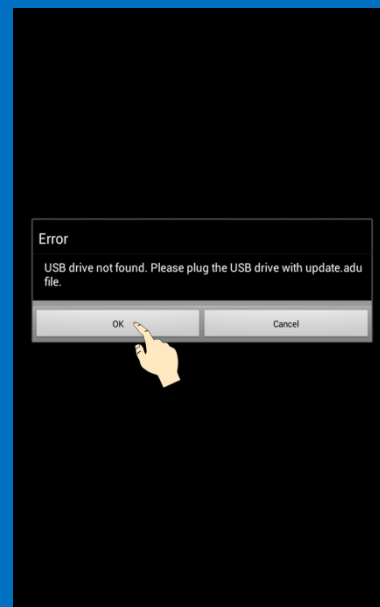
The USB drive must be formatted with the FAT file system.

5. Insert the USB drive



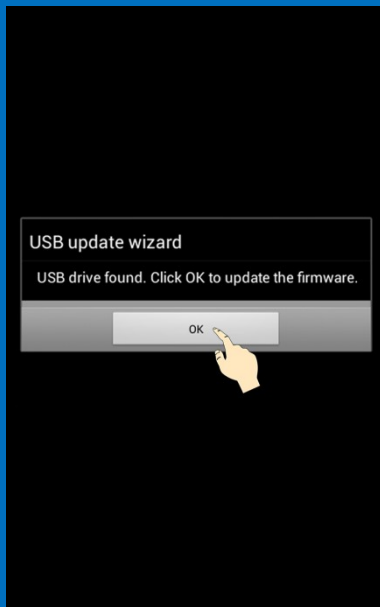
Insert the USB drive containing the files **update.adu** and **update.md5sum**, wait 5-10 seconds and press **OK**.

6. USB drive not found



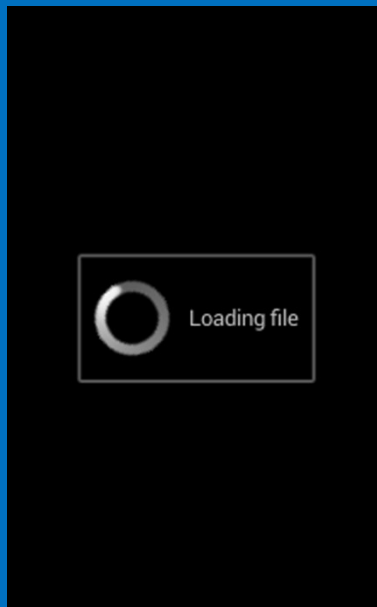
If you get an error message, wait a few seconds for the system to detect the inserted USB drive and then press **OK**.

7. Update firmware



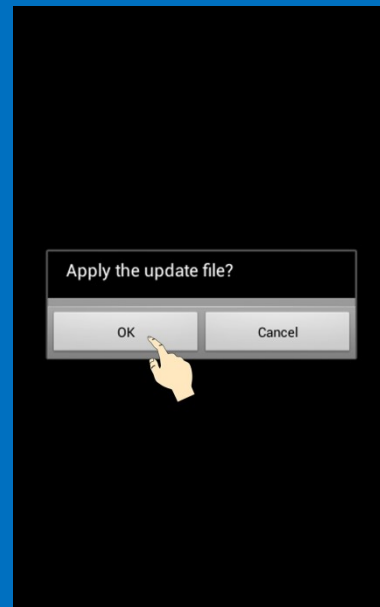
When the USB drive is detected, press **OK** to copy the update files to the Spire.

8. Wait for the files to copy



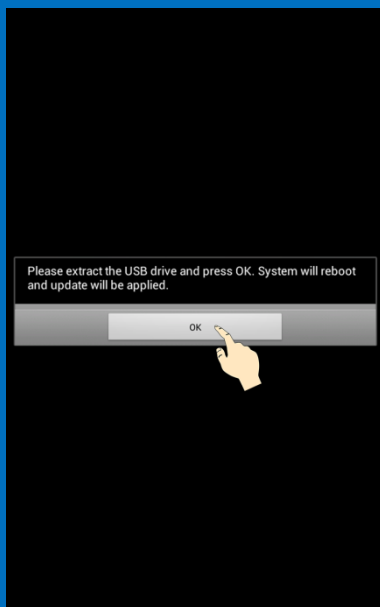
Wait for the update files to finish copying.

9. Apply the update



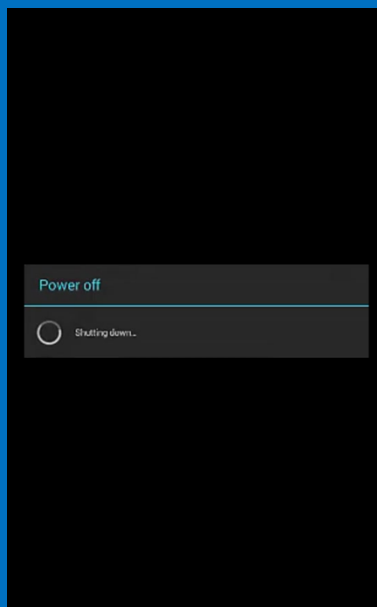
When the update files finish copying, press **OK** to update your Spire.

10. Remove the USB drive



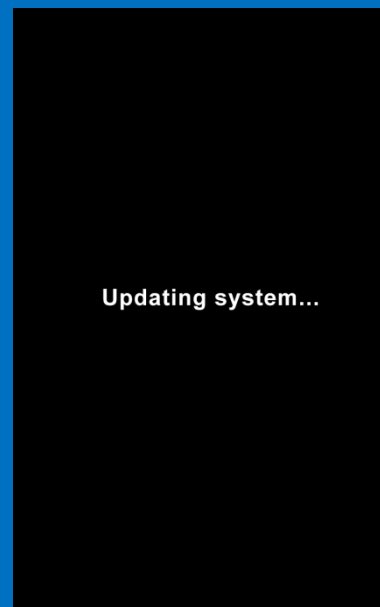
Remove the USB drive from the USB port and press **OK**.

11. Power off



The system will shut down and reboot.

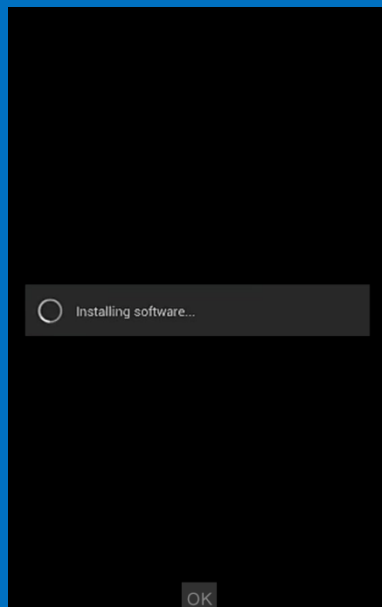
12. Updating system...



The system will apply the update and reboot again.

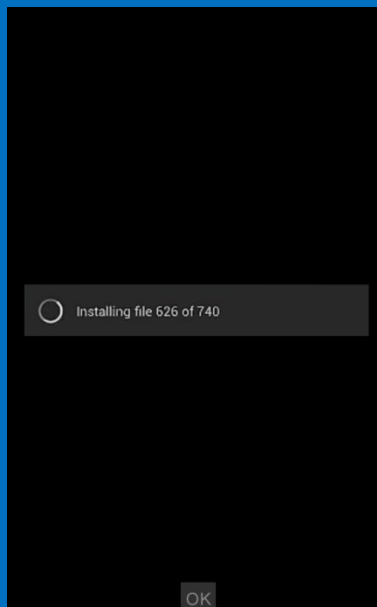
WARNING: Do not disconnect the power while the system is updating. This can damage your control board.

13. Installing software...



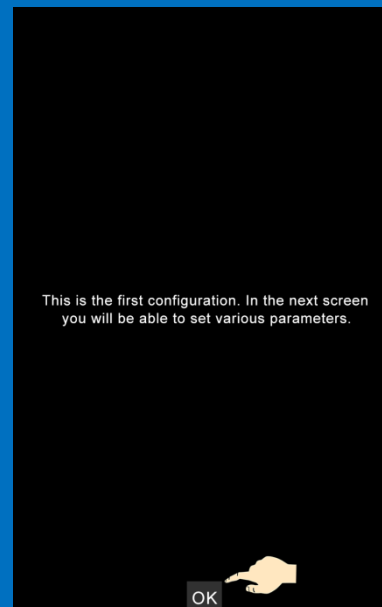
After reboot, wait for the system to install the software.

14. Installing files...



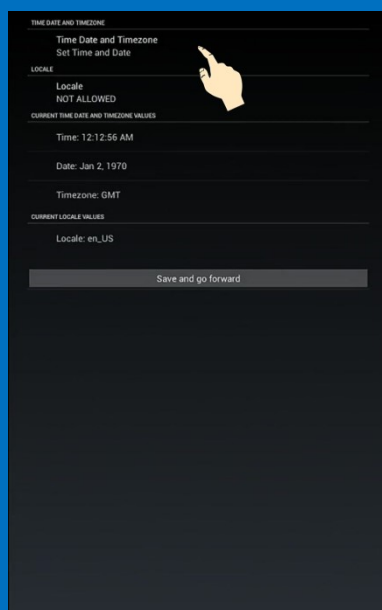
Wait for the system to install resource files.

15. Installation complete



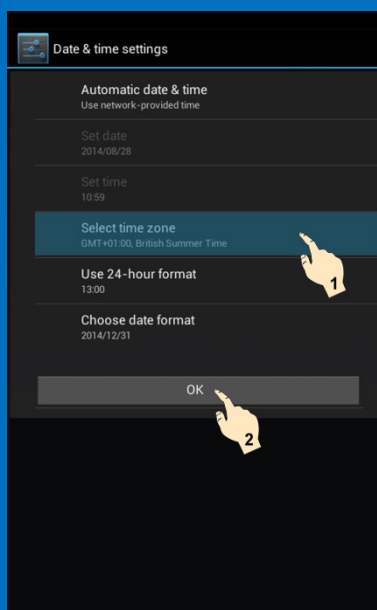
When the installation finishes, press **OK** to configure your new software.

16. Set time and date



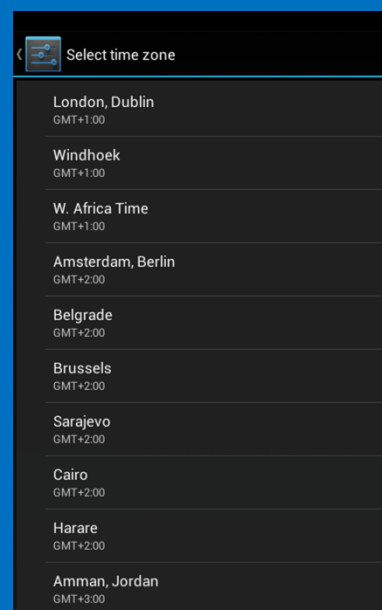
Select the top row to set the time, date and time zone.

17. Set time zone



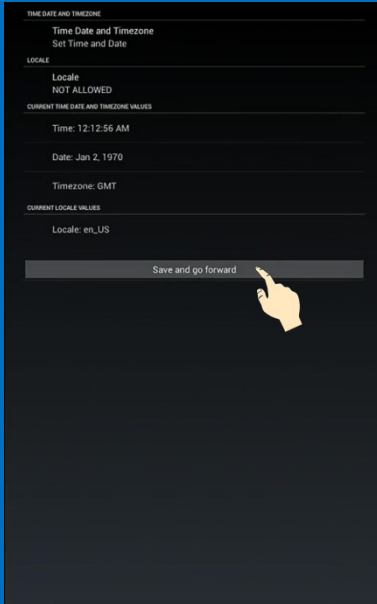
Press **Select Time Zone** and then press **OK**.

18. Select correct time zone



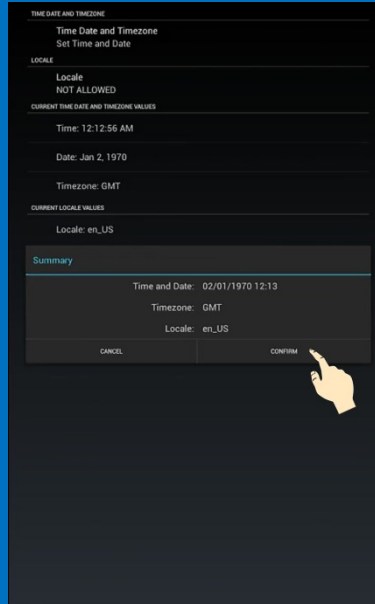
Select the correct time zone and press **OK**.

19. Save and go forward



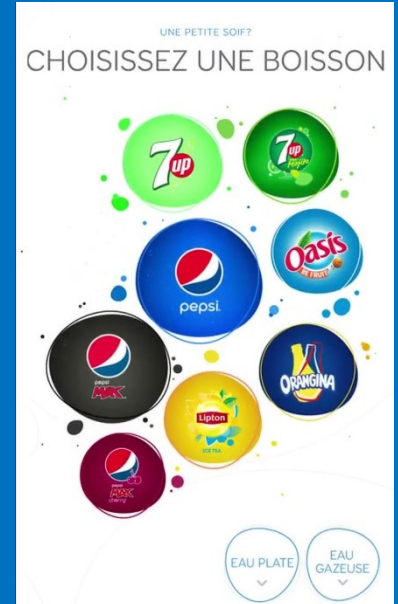
When finished, press **Save and go forward**.

20. Confirm settings



Ensure that the time zone is correct, then press **Confirm**.

21. Update complete

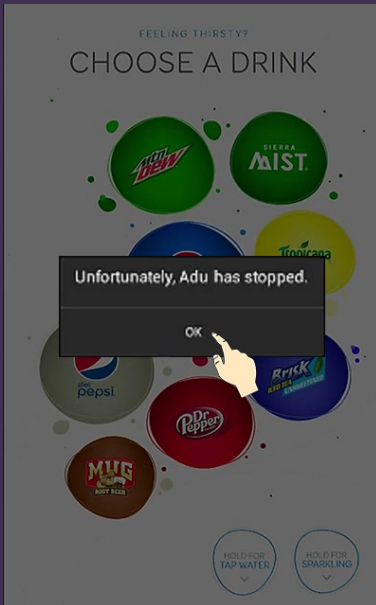


Your Spire 1.1 USB update is complete.

Having difficulty? See our Troubleshooting section on the next page.

Spire 1.1 software troubleshooting

1. "Adu has stopped" error

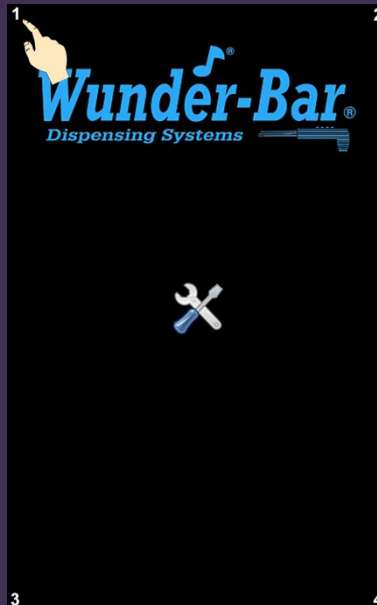


Press **OK** to remove the error message.

- If the error message reappears, press **OK** again. Repeat until the cross tools screen appears.
- Go to **Step 2** on [this page](#).

If you are unable to access the cross tools screen, please contact your Wunder-Bar representative.

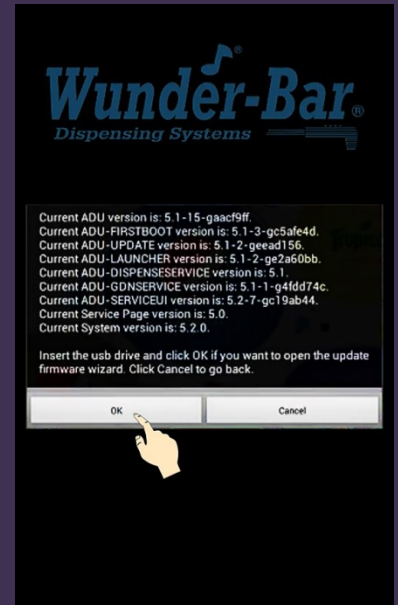
2. Go to the update screen



From the **cross tools screen**:

- Touch the four corners in the order **1-2-3-4** to access the update screen.
- Go to **Step 3** on [this page](#).

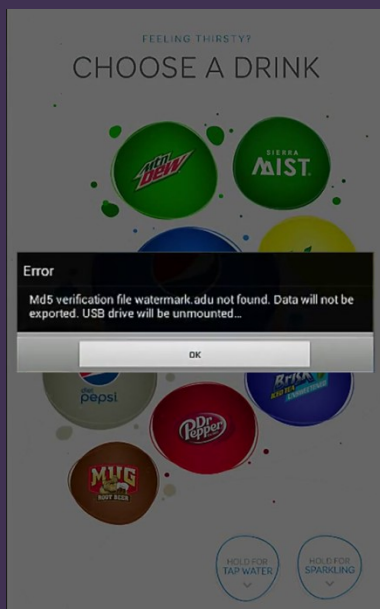
3. Insert the USB drive



From the **update screen**:

- Insert the USB drive containing **update.adu** and **update.md5sum** (see Page 1 for details).
- Wait 5-10 seconds.
- Press **OK**.

“Watermark.adu” error

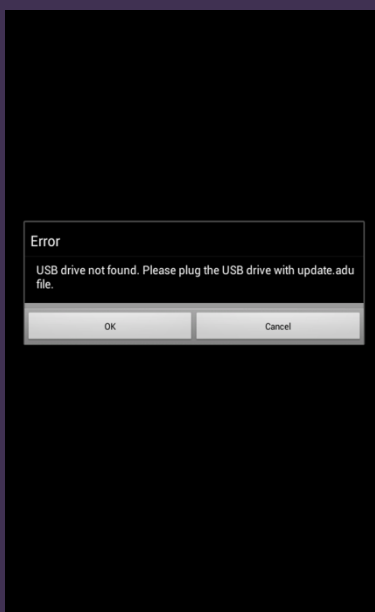


This error occurs when you insert a USB drive before first activating the update screen.

- Press **OK** to return to the menu.
- Then use the four corners sequence to access the update screen (see Step 1 on Page 1 above).

If you are inserting a USB drive in order to extract pouring data, please contact your Wunder-Bar representative for the verification file.

“USB drive not found”



If the **USB drive not found** error occurs even after waiting 5-10 seconds:

- Try reinserting the USB drive, waiting a bit longer, and/or pressing **OK** repeatedly.
- Try powering off the Spire 1.1 unit and then powering it on again.

If the problem persists, the USB drive may be incompatible with the Spire unit's current U-boot parameters. Try using a different USB drive, in particular:

- an older USB drive, or
- a higher-quality USB drive (**Kingston DataTraveler SE9 16GB** or similar).

If this does not resolve the issue, contact your Wunder-Bar representative.

“Error, please reboot...”



If you are installing a **6.3.0 unsigned** update:

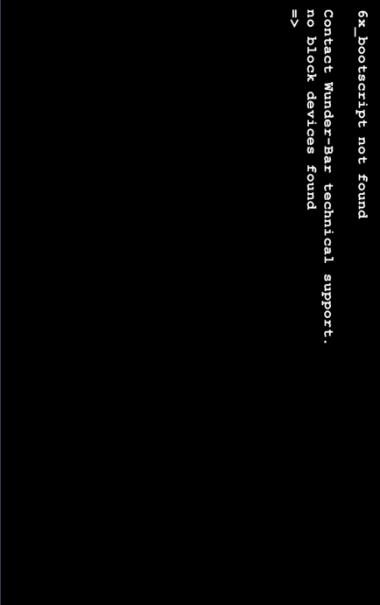
- Install the corresponding 6.3.0 signed update.

If you are installing a **6.3.0 signed** update:

- Install the corresponding 6.3.0 unsigned update.

If you are installing a 7.0.0 or later update:

- First install a **6.3.0 unsigned** update,
- Then install the 7.0.0 or later update.

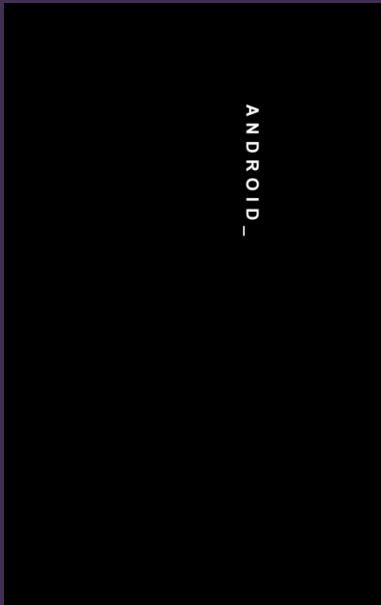
"6x_bootscript not found"

```
6x_bootscript not found
Contact Wunder-Bar technical support.
=> no block devices found
```

The error indicates that the Spire cannot read the Micro SD card on the controller board.

- Remove the Micro SD card by pressing until it clicks and then sliding it out of its slot.
- Re-insert the Micro SD card by sliding it into its slot until it clicks into place.

If the problem persists, please contact your Wunder-Bar representative for a new Micro SD card.

"ANDROID" error

```
ANDROID_
```

The error occurs when a system 5.2.0 or earlier update is installed onto a Spire running System version 6.2.2.

There is no way to recover from this error. Please contact your Wunder-Bar representative for a new Micro SD card.