Endurance Firmware Update for disable EAAA
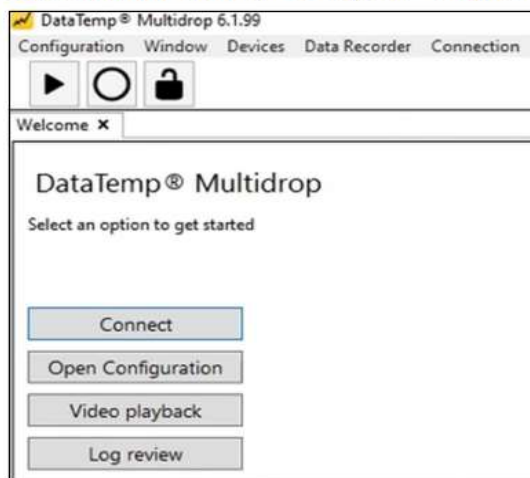
- In special cases where EAAA can't be eliminated at installation location, please use the firmware 2.03.10_2.02.34

- The 2.03.10_2.02.34 is suitable for all 2 color (Ratio) units.

- To disable EAAA please use this SOP (Standard Operating Procedure).

- Hardware needed

  – Ratio Sensor

  – Endurance Ethernet Cable

  – Laptop/PC

- Software needed :

  – DTMD v6.1.99

  – Terminal7

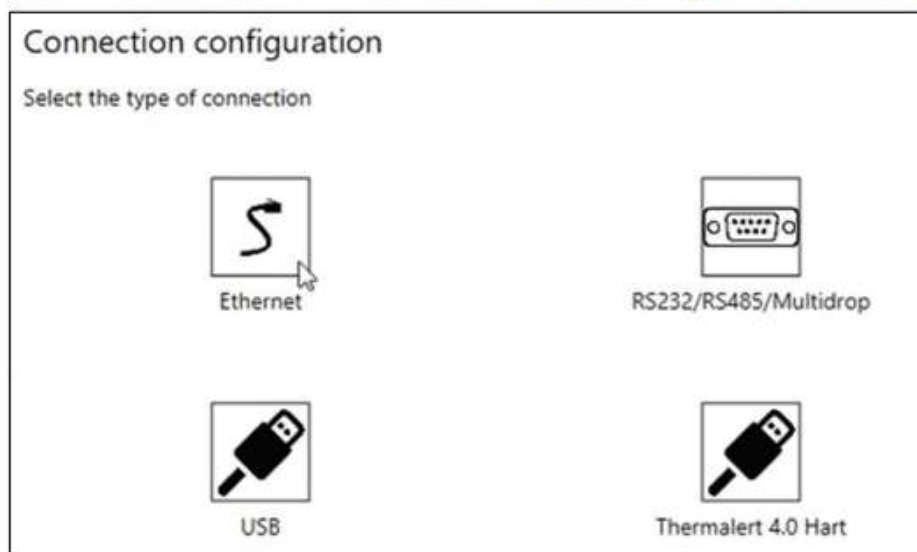 – Firmware file : "Endurance Device Firmware_02.03.10_02.02.34.fw"

Step-by-Step Instructions

Complete the steps below to update the Endurance Sensor firmware.

1. Connect the Endurance sensor to the computer. Make sure that sensor and network adapter of the computer are in the same network.

2. The DataTemp Multidrop software is provided as zip file. Unzip that file. Go to the unzipped folder, search for the "Multidrop.exe" file and double click on it. The DataTemp Multidrop software is not installed, the application opens immediately.

3. Click on the button <Connect> to get started.

4. Click on the icon <Ethernet> as the required communication type.

Connection configuration

Select the type of connection

Ethernet

RS232/RS485/Multidrop

USB

Thermalert 4.0 Hart

5. The following dialog box allows you to configure specific connection details. Press the button <Test connection> to check the connection. That button changes to green when communication could be established. Click the arrow in the lower right corner to complete the configuration.

Connection configuration

Configure connection details

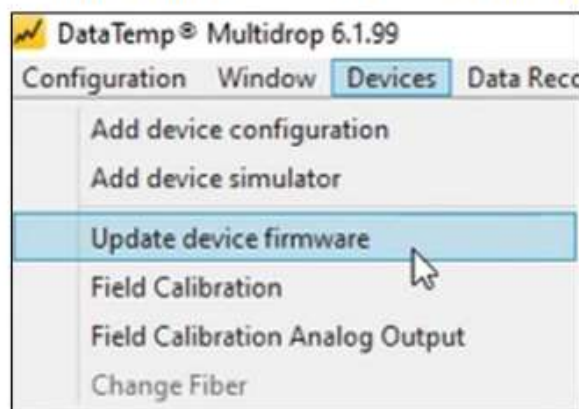|	
Display name	E1RH-F1-V-0-0
Default IP	Endurance Thermalert 4.0
IP address	192.168.42.132
Port number	6363
Refresh rate in milliseconds	10

Test connection

Back   Finish connection configuration

6. Call the menu <Devices> and then launch the submenu <Update device firmware>.

DataTemp® Multidrop 6.1.99

| Configuration | Window | Devices | Data Rec |

Add device configuration

Add device simulator

Update device firmware

Field Calibration

Field Calibration Analog Output

Change Fiber

7. Confirm the following warning message.

Update device firmware ✕

⚠ Supported devices:
Endurance
Thermalert 4.0

Do you want to continue with the firmware update?
Providing the wrong firmware can lead render the device
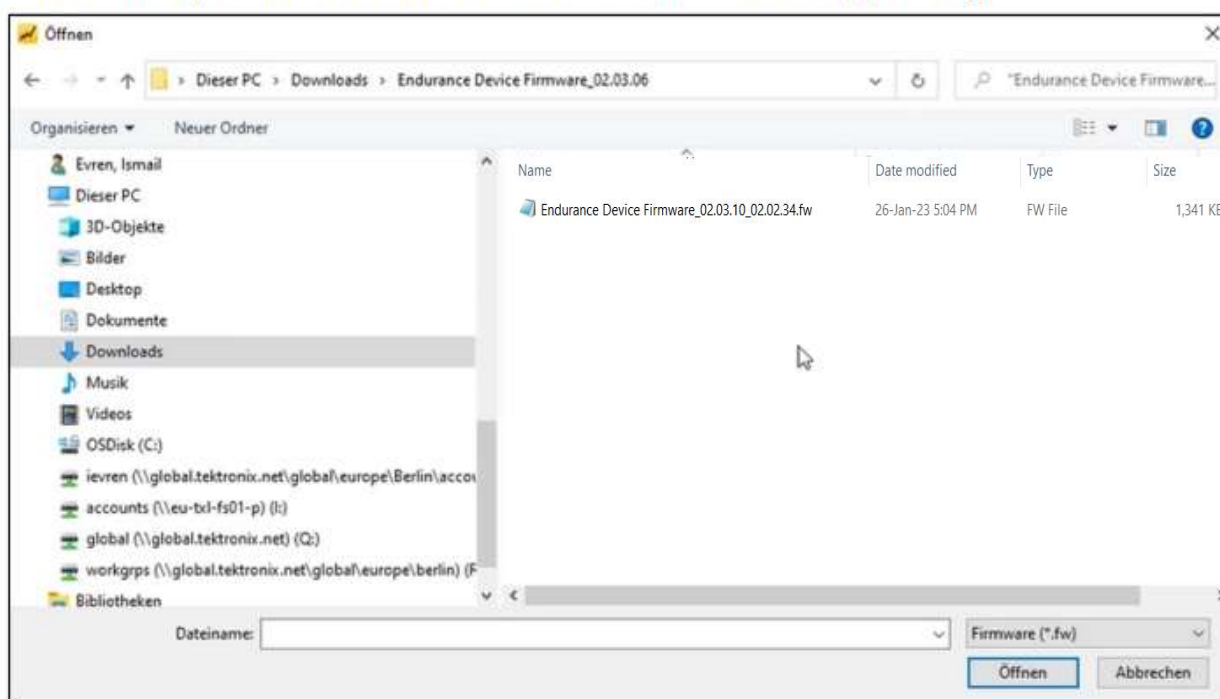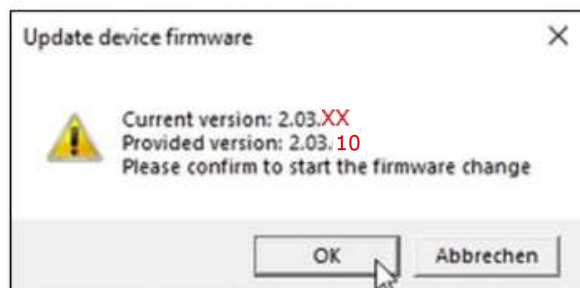inoperable!

OK   Abbrechen

8. In case there are several devices in the network, a list appears in the following dialog box. Click on the desired device to be updated.
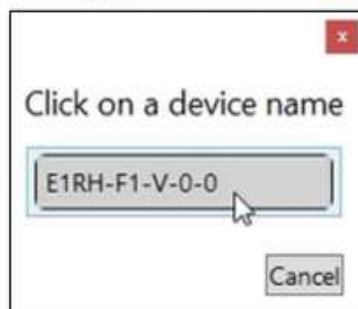
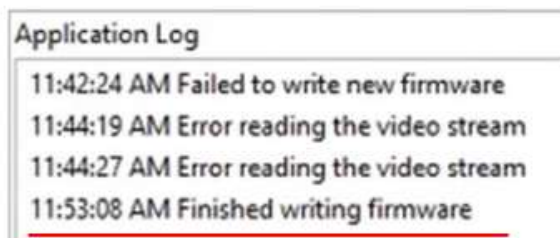9. Select the provided firmware file via the following dialog box.

10. The software checks the firmware version installed on the sensor with the version to be installed.

> **Update device firmware** ✕
>
> ⚠ Current version: 2.03.XX
> Provided version: 2.03.10
> Please confirm to start the firmware change
>
> [OK]   [Abbrechen]

11. With the confirmation of the firmware change, the update starts.

> Flashing firmware

12. After completion, check the success of the firmware update via the corresponding entry in the application log window.

> **Application Log**
>
> 11:42:24 AM Failed to write new firmware
> 11:44:19 AM Error reading the video stream
> 11:44:27 AM Error reading the video stream
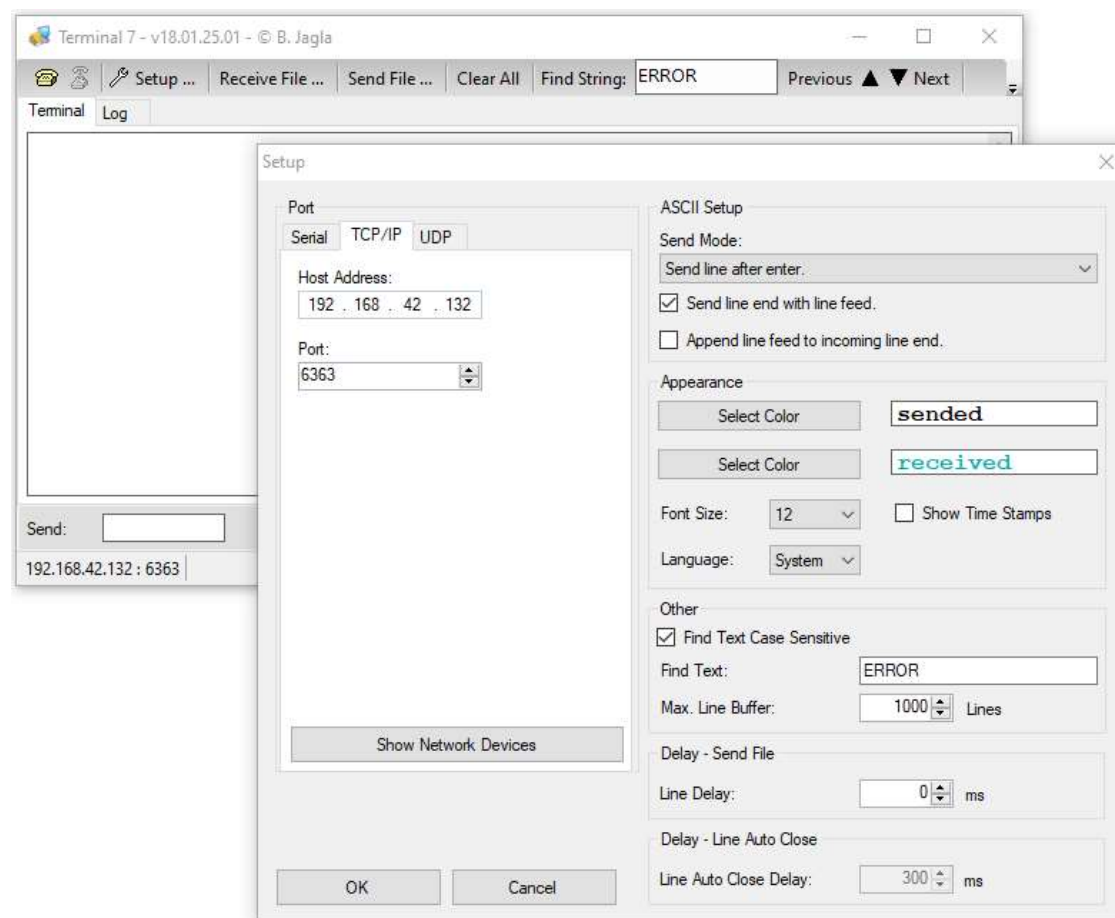> 11:53:08 AM Finished writing firmware

> In some cases, the first attempt at a firmware update may not be successful. In this case, simply repeat the steps described above.
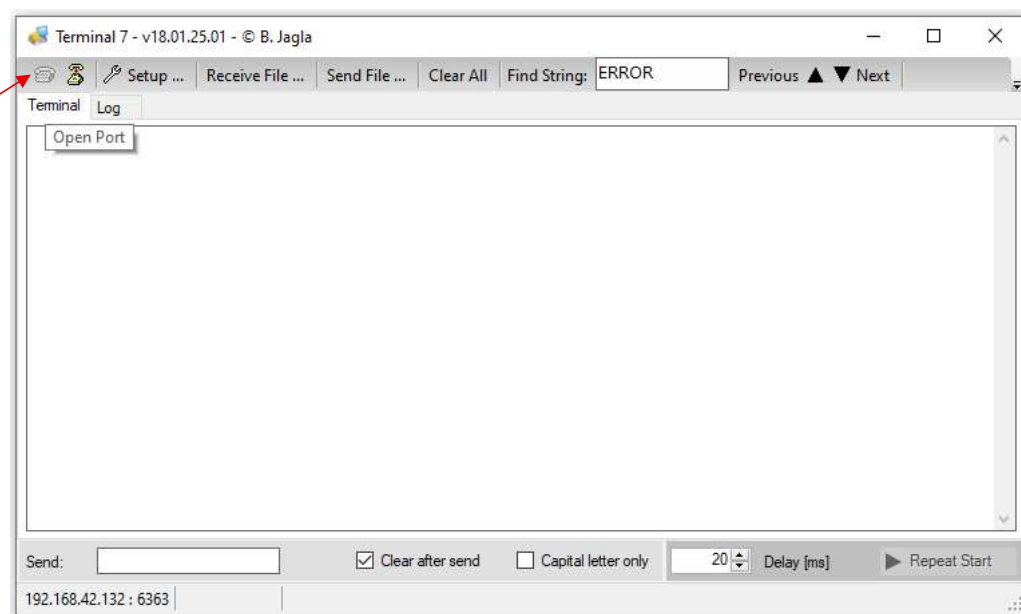
13. Close the DTMD program.

14. Open the Terminal7 program and click on setup
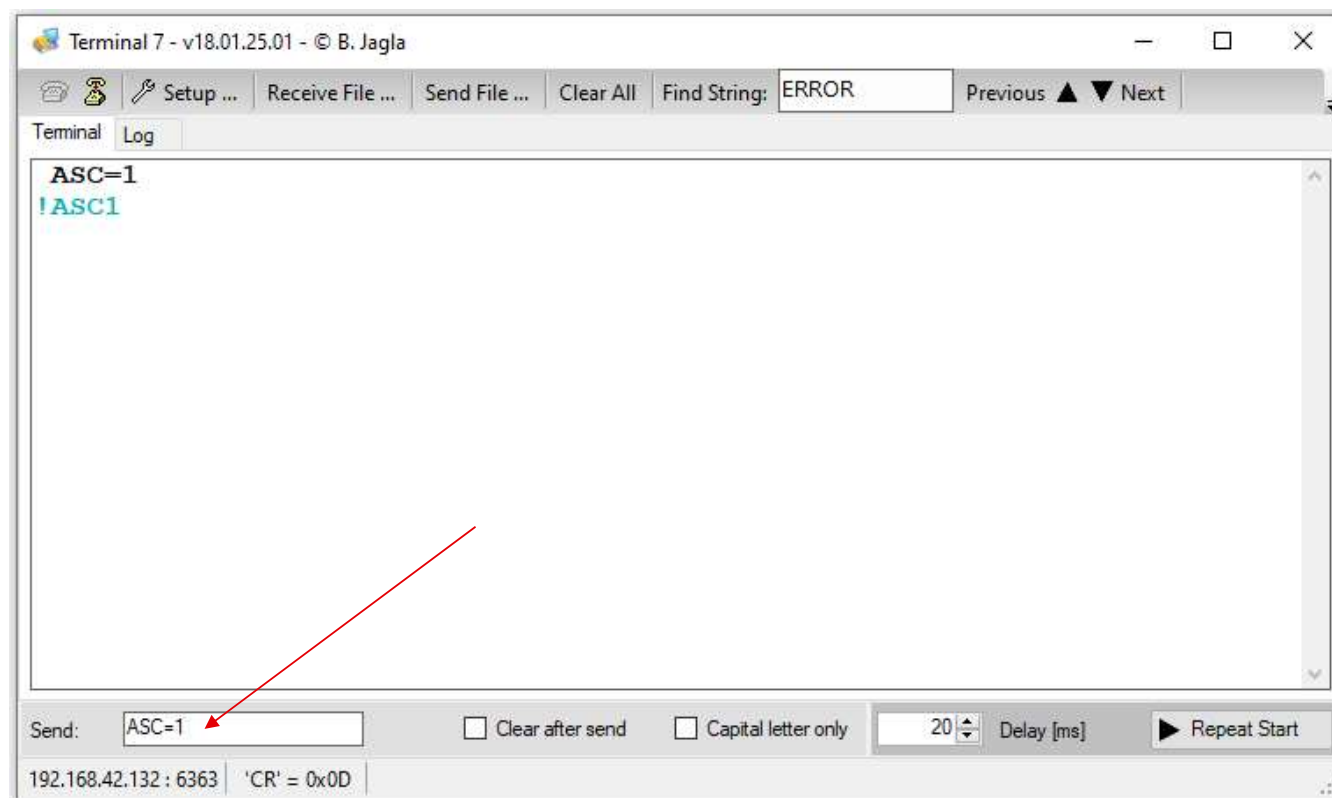
15. Type the IP address and click on OK

16. Click on Open Port, if communication with Endurance correct you won't get error message.
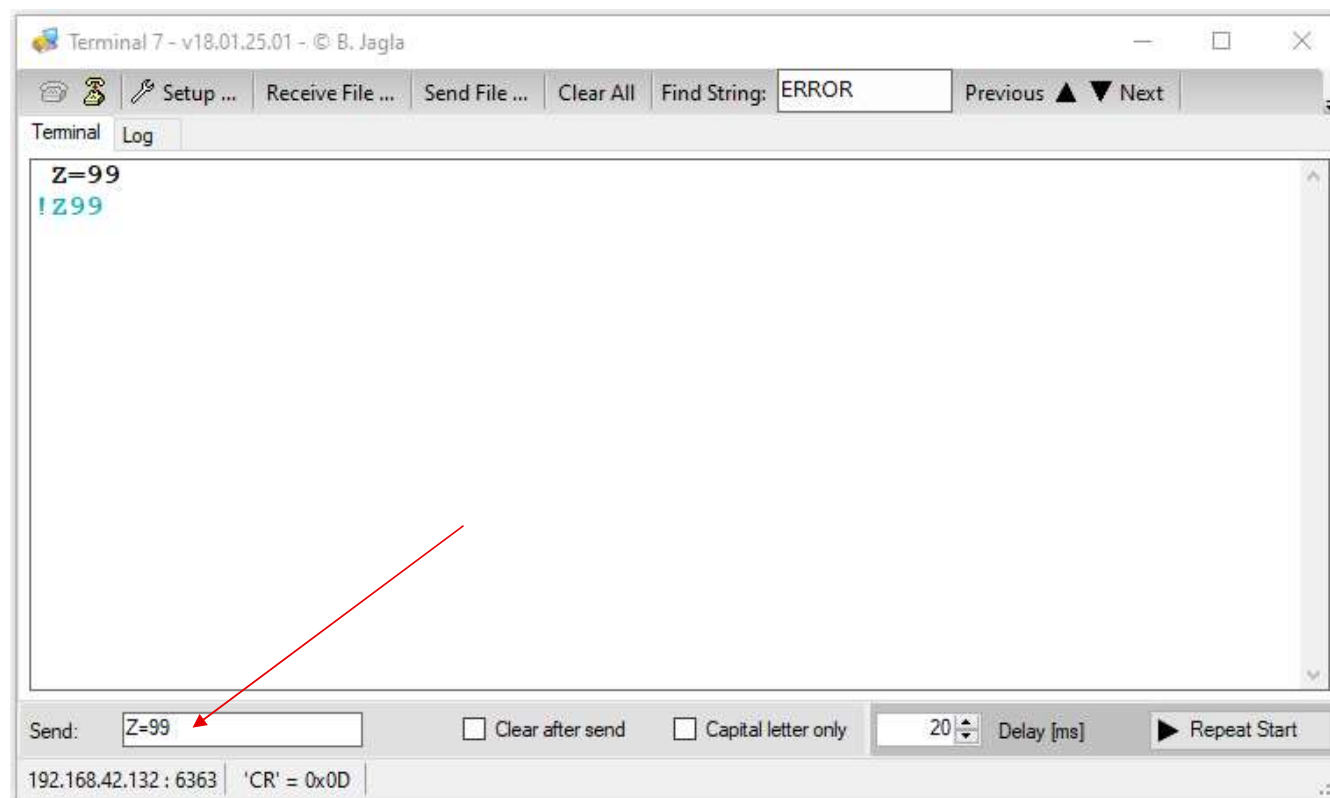
17. Type **ASC=1** in Send space and press ENTER from keyboard

Once Endurance accept the command, you will get reply from Endurance in Blue letter.

18. Type **Z=99** in Send space and press ENTER from keyboard

Once Endurance accept the command, you will get reply from Endurance in Blue letter.

19. Click on Close Port and close the Terminal7

The operation is finished and now you can use the sensor on field/site.