

# DM20.12 Firmware/GUI Utility User Manual

## ◆ Preparation

1. 1x DM20.12 Device °
2. 1x USB stick ° ( $\geq$ USB2.0, FAT32)
3. 1x Firmware file °
4. 1x GUI file °

## ◆ preparation

1. Turn on DM24.12



2. Put the new firmware and GUI file to be updated in the root directory of the USB stick.

(Avoid the mixer broken when enter the firmware update page ,Please put all the files into the USB.  
Refer to the screenshot below)

|             |                     |        |           |
|-------------|---------------------|--------|-----------|
| DM20.12_FW  | 2025/06/04 下午 02:24 | 檔案資料夾  |           |
| IMAGEAL.bin | 2025/02/12 下午 04:12 | BIN 檔案 | 43,200 KB |

3. Insert the USB drive into the machine

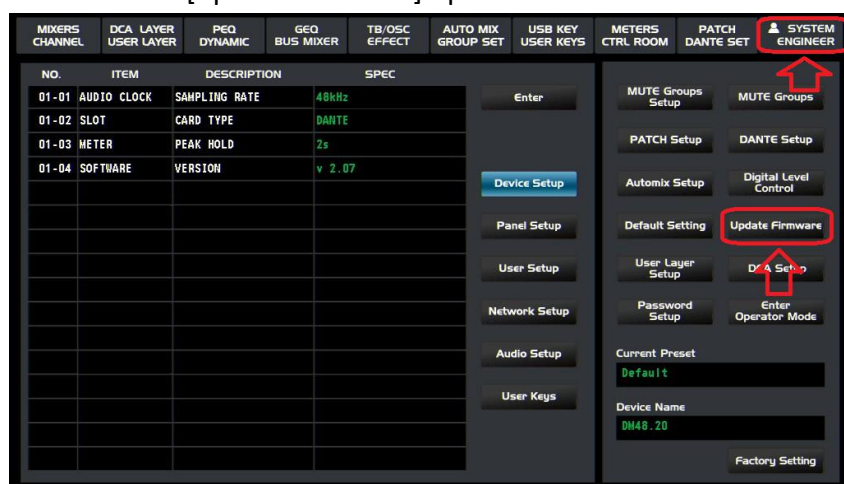


## ◆ update operation

### 1. Select system on the DM20.12 LCD menu page



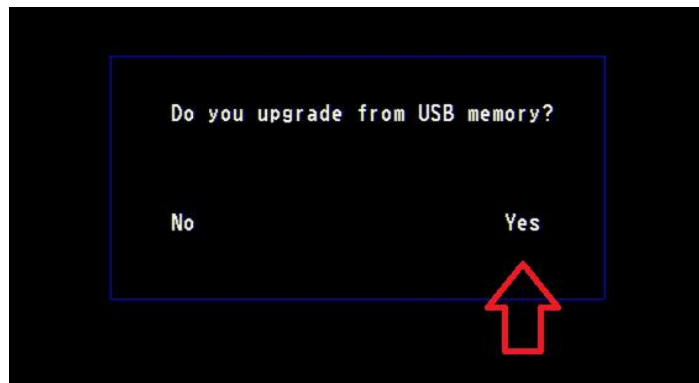
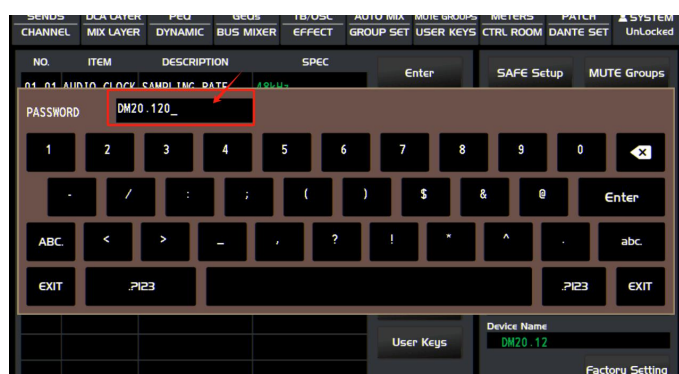
### 2. Select the [update firmware] option ◦



### 3. Enter the password,

-DM20.12 password: DM20.120

### Enter the update page



## 4. Step 1 : Firmware update

### 4.1 Select Firmware Update



### 4.2 Read to file Display status.

A screenshot of a device's menu system. At the top, a green bar contains the text 'USB Device'. To the right of the green bar are two blue buttons labeled 'UPDATE' and 'BACK'. Below the green bar is a table with four columns: file name, size, version, and another version. The table lists several files for DM20\_12.

| File Name                  | Size  | Version 1 | Version 2 |
|----------------------------|-------|-----------|-----------|
| DM20_12_DSP01_V2.02_v1.bin | 163k  | V2.02     | v2.17     |
| DM20_12_DSP02_V2.02_v1.bin | 171k  | V2.02     | v2.17     |
| DM20_12_MCU01_V2.02_v1.bin | 1484k | V2.02     | v2.17     |
| DM20_12_MCU02_V2.02_v1.bin | 50k   | V2.02     | v2.17     |
| DM20_12_MCU03_V2.02_v1.bin | 31k   | V2.02     | v2.17     |
| DM20_12_MCU05_V2.02_v1.bin | 767k  | V2.02     | v2.17     |
| DM20_12_DSP01_V2.02_v1.bin | 163k  | V2.02     | v2.17     |

### 4.3 At this time, in the pop-up interface, click "YES".

A screenshot of a device's menu system. At the top, a green bar contains the text 'USB Device'. To the right of the green bar are two blue buttons labeled 'UPDATE' and 'BACK'. Below the green bar is a table with four columns: file name, size, version, and another version. A blue pop-up dialog box is overlaid on the table, asking 'Do you start to Update?' with 'No' and 'Yes' options.

| File Name                  | Size  | Version 1 | Version 2 |
|----------------------------|-------|-----------|-----------|
| DM20_12_DSP01_V2.02_v1.bin | 163k  | V2.02     | v2.17     |
| DM20_12_DSP02_V2.02_v1.bin | 171k  | V2.02     | v2.17     |
| DM20_12_MCU01_V2.02_v1.bin | 1484k | V2.02     | v2.17     |
| DM20_12_MCU02_V2.02_v1.bin | 50k   | V2.02     | v2.17     |
| DM20_12_MCU03_V2.02_v1.bin | 31k   | V2.02     | v2.17     |
| DM20_12_MCU05_V2.02_v1.bin | 767k  | V2.02     | v2.17     |
| DM20_12_DSP01_V2.02_v1.bin | 163k  | V2.02     | v2.17     |

### 4.4 The machine will automatically update each file.

A screenshot of a device's menu system. At the top, a green bar contains the text 'USB Device'. Below the green bar is a table with four columns: file name, size, and progress. The table shows the progress of the firmware update for each file.

| File Name                  | Size  | Progress |
|----------------------------|-------|----------|
| DM20_12_DSP01_V2.02_v1.bin | 164k  | 1%       |
| DM20_12_DSP02_V2.02_v1.bin | 172k  | —        |
| DM20_12_MCU01_V2.02_v1.bin | 1485k | —        |
| DM20_12_MCU02_V2.02_v1.bin | 51k   | 100%     |
| DM20_12_MCU03_V2.02_v1.bin | 32k   | 100%     |
| DM20_12_MCU05_V2.02_v1.bin | 768k  | —        |

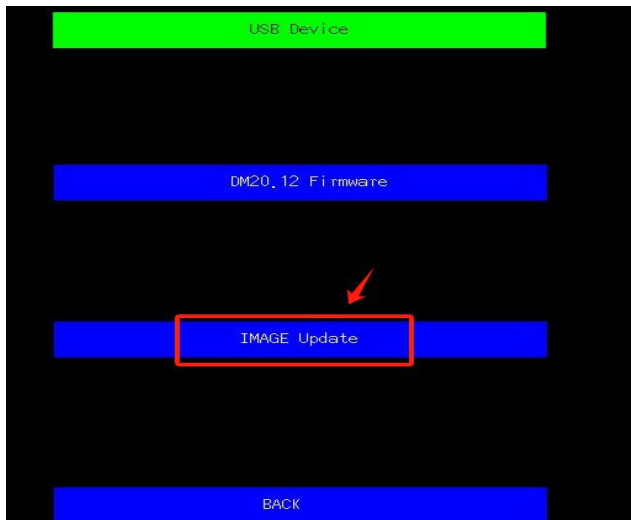
Checksum OK

★ After all files are 100% completed, it will restart automatically.

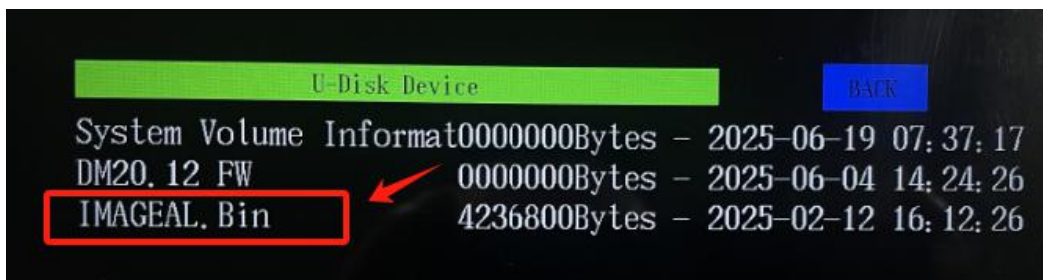
## 5. Step 2: GUI update

\* enter the update mode。 (Refer to Points 1 to 3)

### 5.1 Select GUI update



### 5.2 Select the file



### 5.3 Erase the files first,

then go into the update. (The process takes about 30 minutes)

When the update progress bar shows 100%, the update is completed. The machine restarts automatically.

(All processes are completed automatically, no operation required)

