

BG-IPGEAR-ULTRA ENC/DEC FW Update Guide

Overview

This guide explains how to update the firmware on **IP-GEAR-ULTRA encoders and decoders**.

Before You Begin

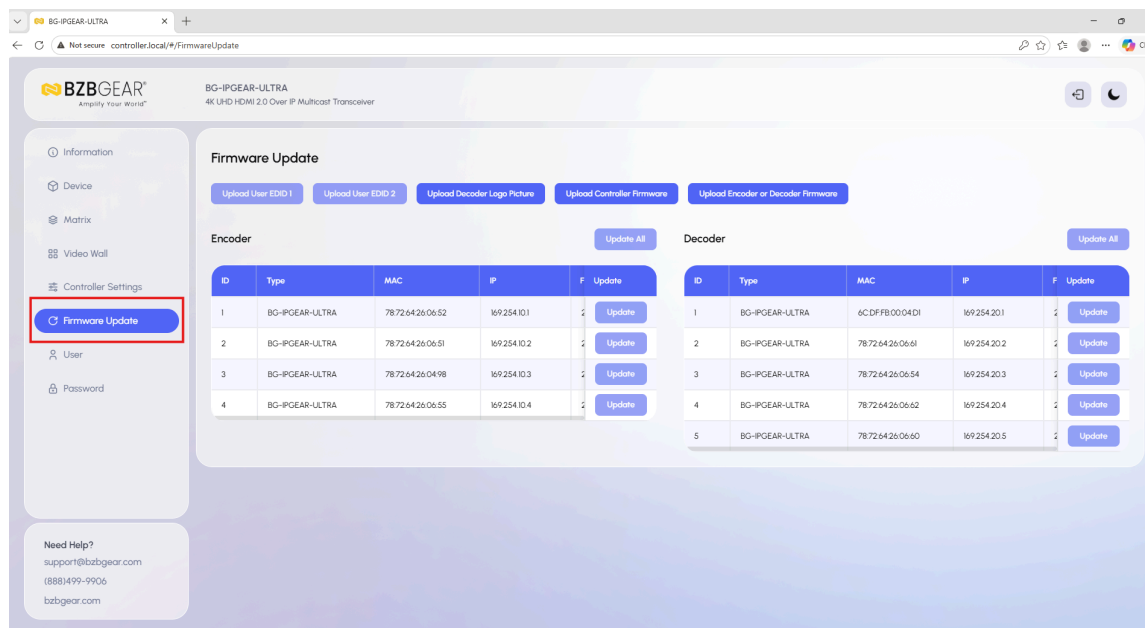
Important: Update the **BG-IPGEAR-ULTRA Controller** to the latest firmware version **before** updating any encoder or decoder firmware.

Before starting:

1. Download the **IP-GEAR-ULTRA ENC/DEC firmware file**.
2. Unzip the firmware file to an accessible location on your computer.

Step 1: Log in to the Web GUI

1. Open the **IP-GEAR-ULTRA-C Web GUI**.
2. Log in using your current credentials.
3. From the left-side menu, click **Firmware Update**.



Step 2: Upload the Encoder/Decoder Firmware

1. On the **Firmware Update** page, select **Upload Encoder or Decoder Firmware**.

The screenshot shows the BZBGear Firmware Update interface. The left sidebar contains navigation links: Information, Device, Matrix, Video Wall, Controller Settings, Firmware Update (selected), User, and Password. The main content area is titled 'Firmware Update' and features five buttons: Upload User EDID 1, Upload User EDID 2, Upload Decoder Logo Picture, Upload Controller Firmware, and Upload Encoder or Decoder Firmware (highlighted with a red box). Below these buttons are two tables: 'Encoder' and 'Decoder'. The 'Encoder' table has columns for ID, MAC, IP, Firmware, and Update. It lists four BG-IPGEAR-ULTRA devices with MAC addresses 787264260652, 787264260651, 787264260498, and 787264260655, all with IP 169.254.10.1-10.4 and Firmware 20260203(2030). The 'Decoder' table has columns for ID, Type, MAC, IP, and Update. It lists five BG-IPGEAR-ULTRA devices with IDs 1-5, MAC addresses 6C.DF.B0.00.04.D1-60, and IP addresses 169.254.20.1-20.5. Each device has an 'Update' button.

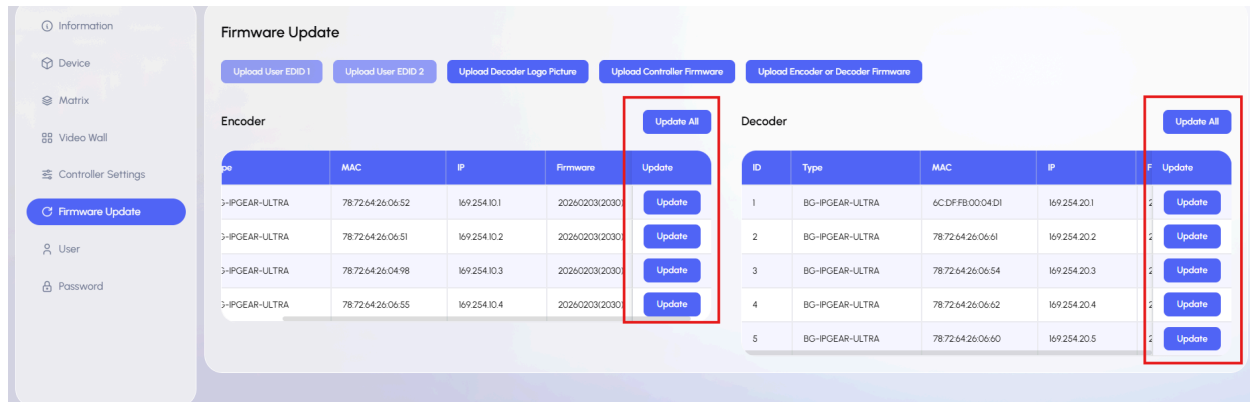
2. Browse to and select the **ENC/DEC firmware file** you unzipped earlier.
3. The firmware file will begin uploading automatically:

The screenshot shows the BZBGear Firmware Update interface with a modal dialog open. The modal is titled 'Upload Encoder or Decoder Firmware' and contains a message: 'Please open encoder or decoder firmware package file and upload. After that, you need to click "Update All" to upgrade firmware for all encoders/decoders or click "Update" to upgrade firmware for a single encoder/decoder.' Below the message is a file selection interface showing a list of files. The file 'HDN-EY300MU-US0III_AX630A_20260203-2-0-3-0_MCU-110.19-305' is selected. The background shows the same Firmware Update page as the previous screenshot, but the 'Upload Encoder or Decoder Firmware' button is no longer highlighted.

Step 3: Wait for the Firmware File to Apply

1. Allow the firmware package to finish uploading and applying.

- Once the upload is fully complete, the **Update** and **Update All** buttons will become selectable.



Step 4: Choose How to Apply the Firmware

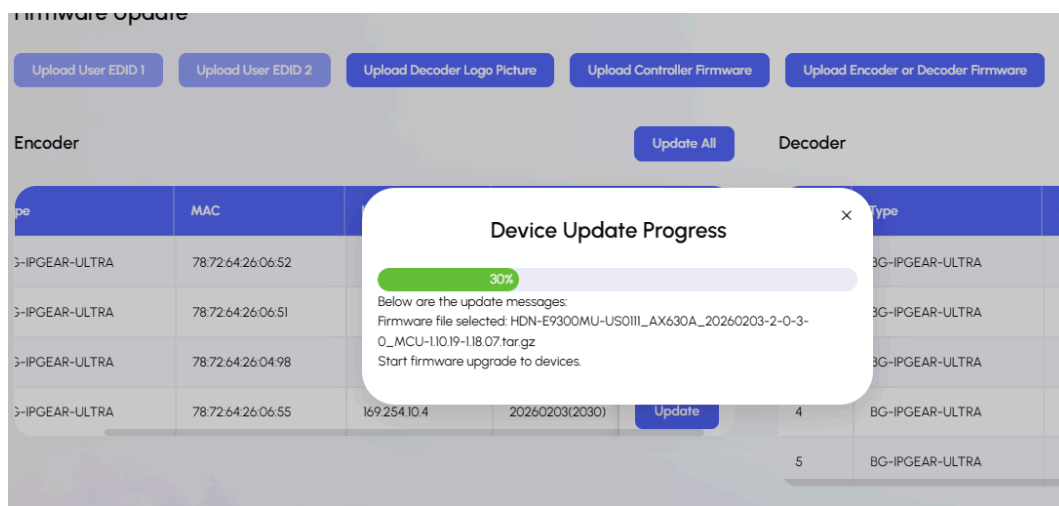
You can update devices using either of these methods:

- **Update All:** Updates all encoders and decoders at the same time.
- **Update:** Updates devices individually, useful if some units have already been updated.

Select the option that best fits your system.

Step 5: Start the Firmware Update

- Click **Update All** to update all devices, or click **Update** for individual devices.
- The firmware will begin applying to each selected encoder/decoder.
- Each device will reboot automatically after the firmware update is installed.



Step 6: Verify the Firmware Version

After the reboot is complete:

1. Check each encoder and decoder.
2. Confirm the firmware version has been updated to the latest release.

The screenshot shows the 'Firmware Update' section of a web interface. At the top, there are five buttons: 'Upload User EDID 1', 'Upload User EDID 2', 'Upload Decoder Logo Picture', 'Upload Controller Firmware', and 'Upload Encoder or Decoder Firmware'. Below these, there are two main sections: 'Encoder' and 'Decoder'. The 'Encoder' section has an 'Update All' button and a table with four columns: 'MAC', 'IP', 'Firmware', and 'Update'. The 'Firmware' column is highlighted with a red box, showing '20260203(2030)' for all four encoders. The 'Decoder' section has a table with three columns: 'ID', 'Type', and 'MAC', showing five decoders of type 'BG-IPGEAR-ULTRA'.

Encoder					Decoder		
	MAC	IP	Firmware	Update	ID	Type	MAC
EAR-ULTRA	78.72.64.26.06:52	169.254.10.1	20260203(2030)	Update	1	BG-IPGEAR-ULTRA	6C1
EAR-ULTRA	78.72.64.26.06:51	169.254.10.2	20260203(2030)	Update	2	BG-IPGEAR-ULTRA	78.7
EAR-ULTRA	78.72.64.26.04:98	169.254.10.3	20260203(2030)	Update	3	BG-IPGEAR-ULTRA	78.7
EAR-ULTRA	78.72.64.26.06:55	169.254.10.4	20260203(2030)	Update	4	BG-IPGEAR-ULTRA	78.7
					5	BG-IPGEAR-ULTRA	78.7

Step 7: Verify System Status

1. Go to the **Device** page.
2. Confirm that all devices appear in the list.
3. Make sure each device shows a **green status light**.

Once all devices are listed and show green, the firmware update is complete and the system is ready to use.

The screenshot shows the 'Device' page of a web interface. On the left, there is a sidebar with navigation links: 'Information', 'Device' (highlighted), 'Matrix', 'Video Wall', 'Controller Settings', 'Firmware Update', and 'User'. The main area shows a table of devices. At the top, there are two tabs: 'Encoder(4)' and 'Decoder(5)'. A red arrow points to the 'Decoder(5)' tab. The table has columns: 'ID', 'Type', 'Name', 'MAC', 'IP', 'Firmware', 'Status', 'Up Time', 'RX Link', and 'Member'. All devices have a green status light in the 'Status' column.

ID	Type	Name	MAC	IP	Firmware	Status	Up Time	RX Link	Member
1	BG-IPGEAR-ULTRA	BZB Media	78.72.64.26.06:52	169.254.10.1	20260203(2030)	●	00 day,00 hr,05 min	0	Null
2	BG-IPGEAR-ULTRA	BLURAY	78.72.64.26.06:51	169.254.10.2	20260203(2030)	●	00 day,00 hr,05 min	0	Null
3	BG-IPGEAR-ULTRA	ADAMO 25x	78.72.64.26.04:98	169.254.10.3	20260203(2030)	●	00 day,00 hr,05 min	0	Null
4	BG-IPGEAR-ULTRA	ADAMO 40X	78.72.64.26.06:55	169.254.10.4	20260203(2030)	●	00 day,00 hr,05 min	0	Null

Quick Summary

1. Update the **controller firmware first**
2. Download and unzip the **ENC/DEC firmware file**
3. Log in to the **IP-GEAR-ULTRA-C Web GUI**
4. Open **Firmware Update**
5. Select **Upload Encoder or Decoder Firmware**
6. Upload the firmware file
7. Wait for **Update** and **Update All** to become available
8. Choose to update all devices or individual devices
9. Allow devices to reboot automatically
10. Verify firmware versions
11. Confirm all devices are online with **green status lights**