

BG-IPGEAR-ULTRA C FW Update Guide

Overview

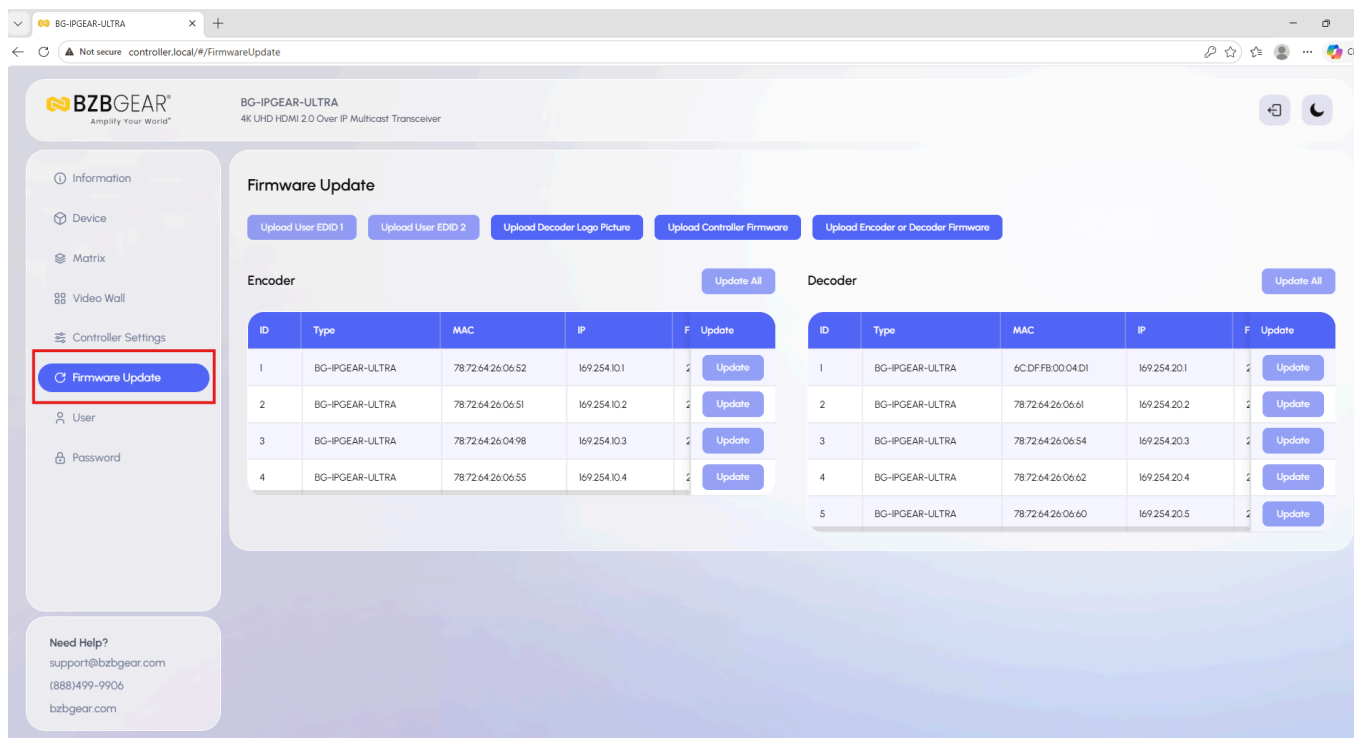
This guide explains how to update the IP-GEAR-ULTRA-C controller firmware, perform a factory reset, and re-add your encoders/decoders after the update.

Before You Begin

Download and unzip the **IP-GEAR-ULTRA-C firmware file** before starting.

Step 1: Login to the Web GUI

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



The screenshot shows the BZBGear BG-IPGEAR-ULTRA Web GUI. The left sidebar contains a menu with 'Firmware Update' highlighted. The main content area displays the 'Firmware Update' section with buttons for 'Upload User EDID 1', 'Upload User EDID 2', 'Upload Decoder Logo Picture', 'Upload Controller Firmware', and 'Upload Encoder or Decoder Firmware'. Below these are two tables: 'Encoder' and 'Decoder'. The 'Encoder' table has 4 rows and the 'Decoder' table has 5 rows. Each row in both tables has an 'Update' button.

ID	Type	MAC	IP	F	Update
1	BG-IPGEAR-ULTRA	7872:64:26:06:52	169.254.10.1	2	Update
2	BG-IPGEAR-ULTRA	7872:64:26:06:51	169.254.10.2	2	Update
3	BG-IPGEAR-ULTRA	7872:64:26:04:98	169.254.10.3	2	Update
4	BG-IPGEAR-ULTRA	7872:64:26:06:55	169.254.10.4	2	Update

ID	Type	MAC	IP	F	Update
1	BG-IPGEAR-ULTRA	6C:DFFB:00:04:D1	169.254.20.1	2	Update
2	BG-IPGEAR-ULTRA	7872:64:26:06:61	169.254.20.2	2	Update
3	BG-IPGEAR-ULTRA	7872:64:26:06:54	169.254.20.3	2	Update
4	BG-IPGEAR-ULTRA	7872:64:26:06:62	169.254.20.4	2	Update
5	BG-IPGEAR-ULTRA	7872:64:26:06:60	169.254.20.5	2	Update

Step 2: Upload the Controller Firmware

1. On the **Firmware Update** page, select **Upload Controller Firmware**:

The screenshot shows the BZBGEAR Firmware Update interface. The left sidebar contains navigation links: Information, Device, Matrix, Video Wall, Controller Settings, Firmware Update (highlighted), 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 (highlighted with a red box), and Upload Encoder or Decoder Firmware. Below these buttons are two tables: 'Encoder' and 'Decoder'. Each table has columns for ID, Type, MAC, IP, and an 'Update' button. The Encoder table has 4 rows, and the Decoder table has 5 rows. All devices are of type 'BG-IPGEAR-ULTRA'.

ID	Type	MAC	IP	Update
1	BG-IPGEAR-ULTRA	787264260652	169254101	Update
2	BG-IPGEAR-ULTRA	787264260651	169254102	Update
3	BG-IPGEAR-ULTRA	787264260498	169254103	Update
4	BG-IPGEAR-ULTRA	787264260655	169254104	Update

ID	Type	MAC	IP	Update
1	BG-IPGEAR-ULTRA	6CDFB0004D1	169254201	Update
2	BG-IPGEAR-ULTRA	787264260661	169254202	Update
3	BG-IPGEAR-ULTRA	787264260654	169254203	Update
4	BG-IPGEAR-ULTRA	787264260662	169254204	Update
5	BG-IPGEAR-ULTRA	787264260660	169254205	Update

2. Browse to and select the **Controller Firmware** file you unzipped earlier.
3. The file will begin uploading automatically.

The screenshot shows the same BZBGEAR Firmware Update interface, but with a modal dialog box open in the center. The dialog box is titled 'Upload Controller Firmware' and contains the text: 'The Controller is now updating. This will take approximately 2 minutes. Once complete the page will refresh.' The background interface is dimmed, showing the same navigation sidebar and firmware update buttons as the previous screenshot.

4. Wait for the firmware to upload and apply.

Note:

This process takes approximately **2 minutes**.

Step 3: Wait for the Controller to Reboot

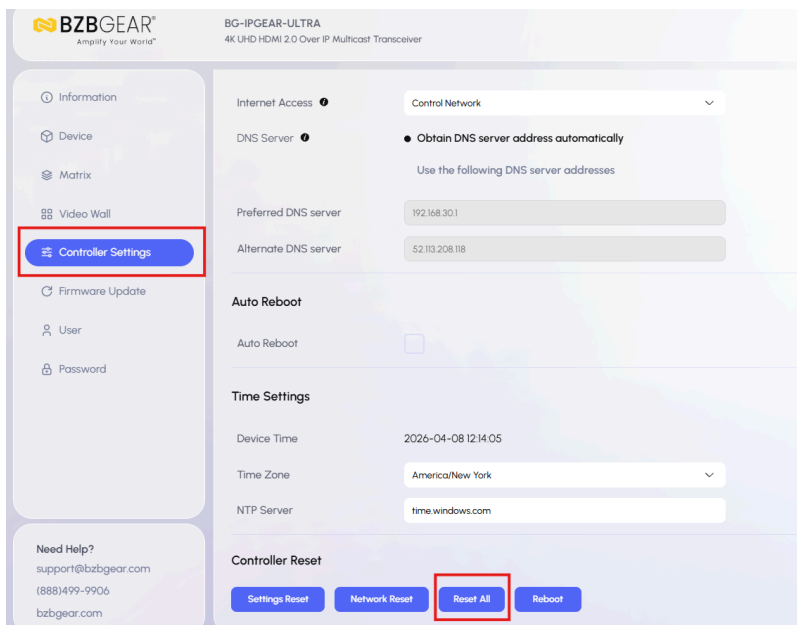
1. After the firmware update is complete, the controller will reboot automatically.
 2. Once finished, the page will refresh and return you to the **login page**.
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Step 4: Log Back In

1. Log back in to the controller using your credentials.
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Step 5: Perform a Factory Reset

1. Navigate to **Controller Settings**.
2. Scroll to the bottom of the page.
3. Select **Reset All**.
4. When prompted, select **Yes** to confirm.



Note:

This reset is required to fully apply the latest firmware version.

Step 6: Wait for the Reset to Complete

1. Allow approximately **2 minutes** for the factory reset to finish.
 2. The page will automatically redirect back to the **login page** again.
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Step 7: Log In with Default Credentials

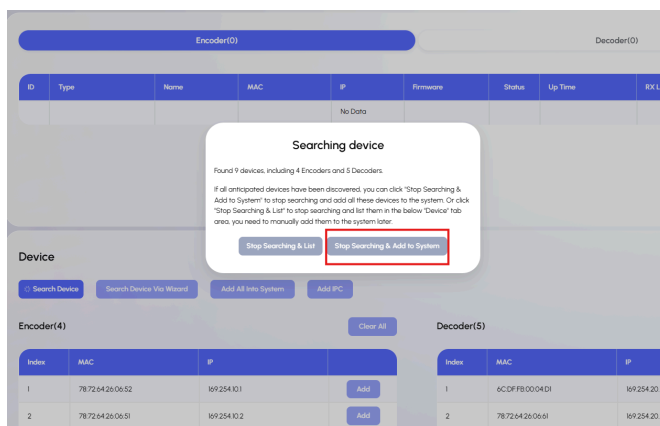
1. Use the default username and password:
 - **Username:** `admin`
 - **Password:** `admin`
 2. You will then be prompted to create a **new password**.
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Step 8: Complete the Setup Wizard

1. Follow the on-screen setup prompts.
 2. Click **Next** through the wizard screens.
 3. The system will begin searching for your encoders/decoders.
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Step 9: Re-Add Devices to the System

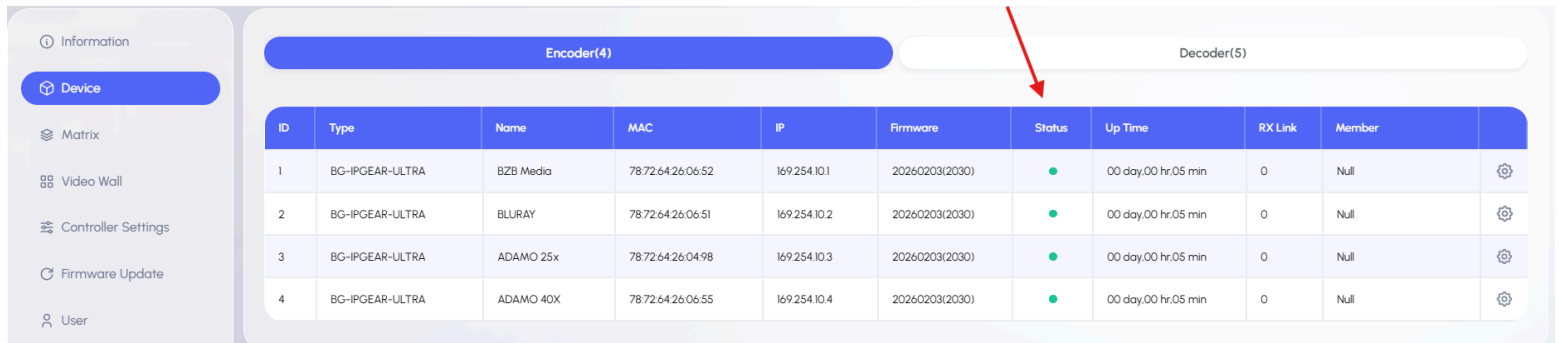
1. Once your encoders/decoders are found, select **Stop Searching & Add to System**.
2. Wait for all devices to be added.



Step 10: Verify System Status

1. Confirm that all devices appear in the device page.
2. 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 a web interface with a sidebar on the left containing menu items: Information, Device (highlighted), Matrix, Video Wall, Controller Settings, Firmware Update, and User. The main area displays a table of devices. At the top, there are two tabs: 'Encoder(4)' (active) and 'Decoder(5)'. A red arrow points to the 'Status' column header in the table. The table contains four rows of encoder data, all with green status lights.

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. Download and unzip firmware
2. Log in to Web GUI
3. Go to **Firmware Update**
4. Select **Upload Controller Firmware**
5. Wait about 2 minutes for update and reboot
6. Log back in
7. Go to **Controller Settings > Reset All**
8. Confirm reset and wait about 2 minutes
9. Log in with **admin/admin**
10. Create a new password
11. Click through setup prompts
12. Search for and re-add encoders/decoders
13. Confirm all devices show **green**