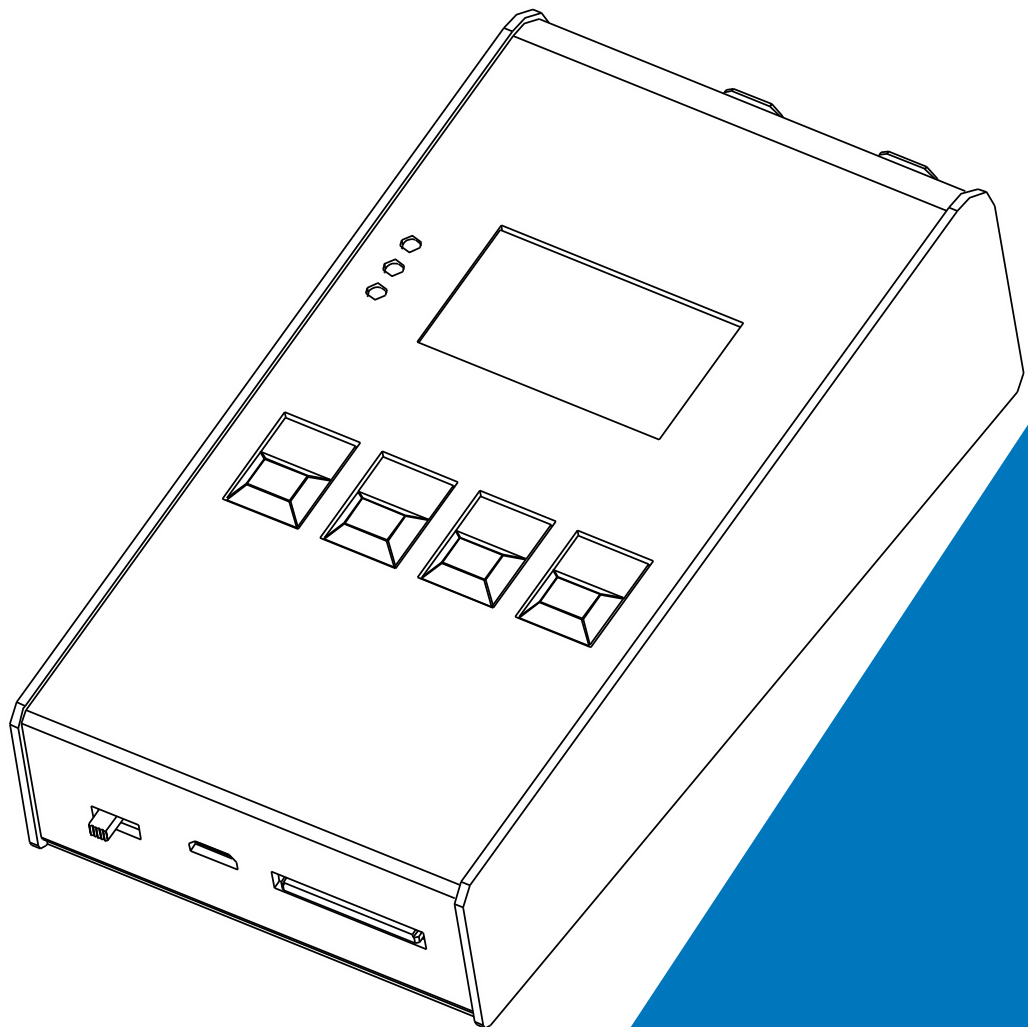




# Uploader II



User Manual

Please read the instruction carefully before use

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## 01/ Safety Information



Please read the instruction carefully which includes important information about the installation, usage and maintenance.

### WARNING

Please keep this User Manual for future consultation. If you sell the unit to another user, be sure that they also receive this instruction manual.

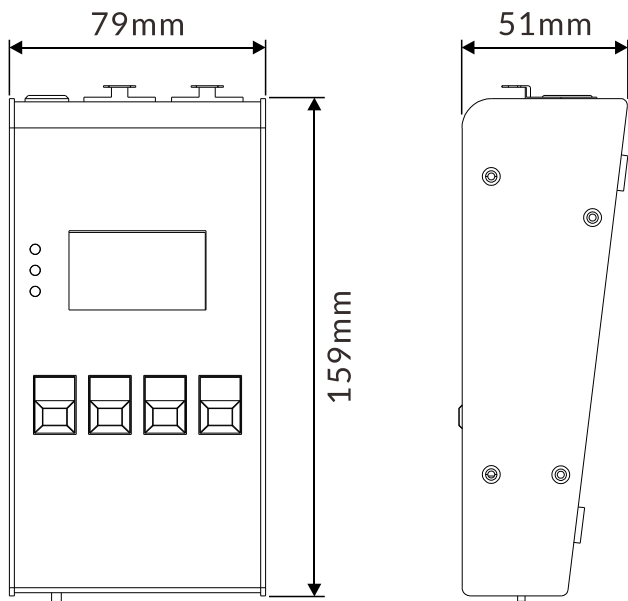
#### Important:

**Damages caused by the disregard of this user manual are not subject to warranty. The dealer will not accept liability for any resulting defects or problems.**

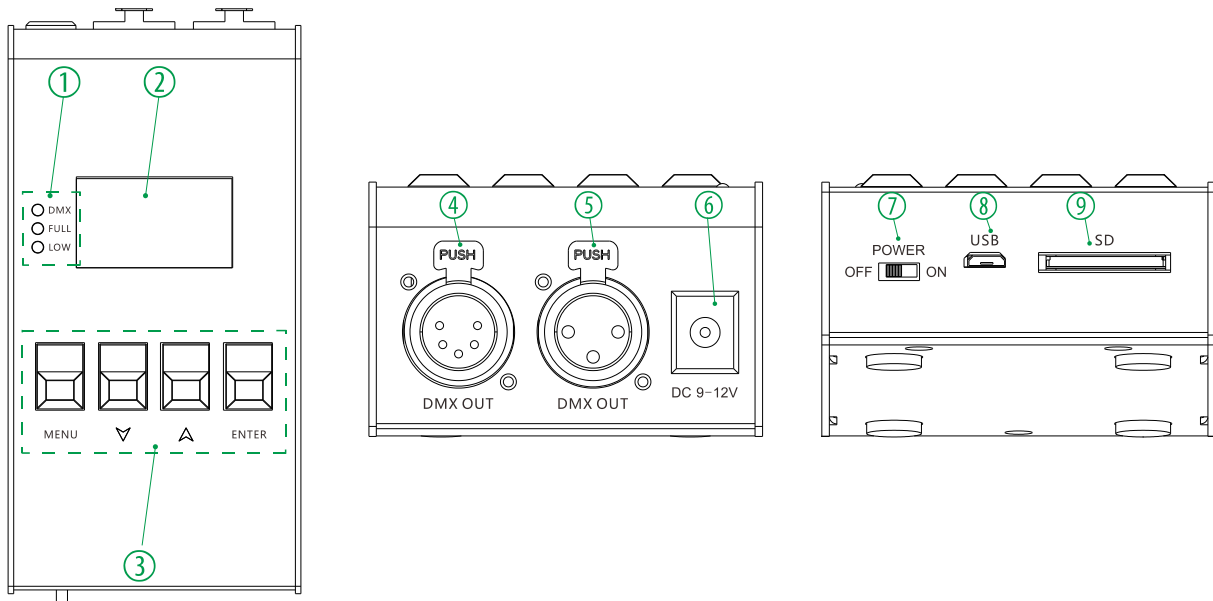
- Unpack and check carefully to ensure that there is no transportation damage before using the unit.
- This product is for indoor use only. Use only in a dry location.
- Only qualified operator should operate this fixture.
- DO NOT allow children to operate the fixture.
- Minimum ambient temperature TA: 0°C. Maximum ambient temperature TA: 40°C. Do not operate this product at a lower or higher temperature.
- Keep flammable materials away from the fixture while operating to avoid fire hazard.
- DO NOT operate in a dirty or dusty environment. DO clean the fixture regularly.
- DO NOT open the housing as there are no user serviceable parts inside.
- DO NOT attempt to operate this unit if it becomes damaged. DO NOT attempt any repairs yourself. Repairs carried out by unskilled people can lead to damage or malfunction. Please contact the nearest authorized technical assistance center if needed.
- DO use the original packaging if the device is to be transported.

## 02/ Technical Specifications

<b>External Power Supply</b>	100-240Vac; 50/60Hz	
<b>Power Voltage</b>	DC 9-12V	
<b>Max. Power Consumption</b>	12.2W	
<b>Features</b>	LCD display	
	3-pin and 5-pin DMX output	
	Battery operation	
	SD card slot	
<b>Dimensions</b>	79x159x51mm	3.1"x6.3"x2"
<b>Weight</b>	0.6 kg	1.3 lbs



## 03/ Overview



1. Indicators	DMX	
	Power (Full)	
	Power (Low)	
2. Display	To show the various menus and the selected function	
3. Buttons	MENU	To enter into move backward or leave the menu
	▲ UP	To go backward to move up in the menu
	▼ DOWN	To go forward to move down in the menu
	ENTER	To perform the desired functions
4. DMX OUT	5-pin DMX output	
5. DMX OUT	3-pin DMX output	
6. DC 9-12V	Power adapter	
7. POWER	Switching the device on and off	
8. USB	USB connection (Reserved for future use)	
9. SD	SD card slot	

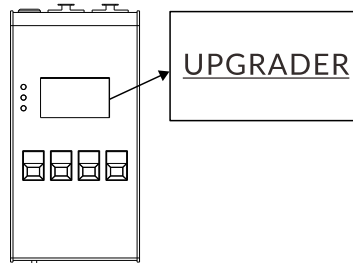
## 04/ Operation

### 4.1 Self-Upgrade

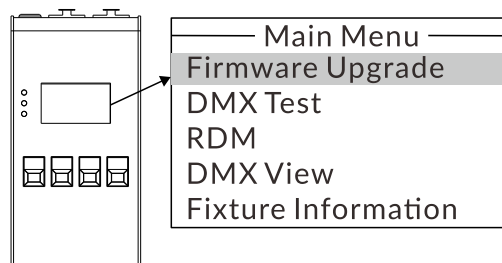
1. Name the upgrade file for the new version of the Uploader II as upgrader.yfu and store it in the root directory of the SD card supplied with the Uploader II.
2. Insert the SD card into the SD card slot of the Uploader II.
3. Switch on the Uploader II, and it will perform an automatic self-upgrade.

### 4.2 Upgrade Fixture's Firmware (Normal Upgrade)

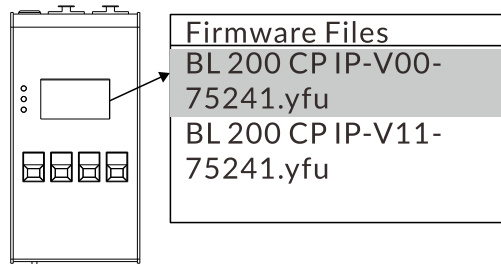
1. Download the fixture's software update files from the ACME website and store them in the SD card supplied with the Uploader II. Insert the SD card into the SD card slot of the Uploader II.
2. Connect the Uploader II to fixture, using 3-pin or 5-pin DMX cable. If you want to upload more than one at a time, daisy chain them with DMX cables.
3. With the fixture connected, power up the fixture and switch on the Uploader II.



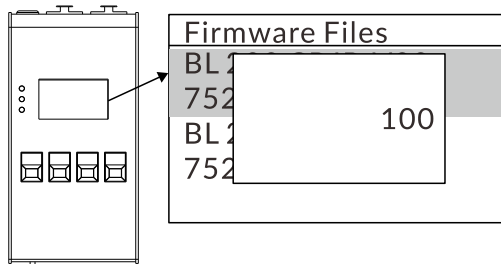
4. Press the MENU button and the display will show the following menu. Use ▼(DOWN)/▲(UP) button to select Firmware Upgrade and press ENTER.



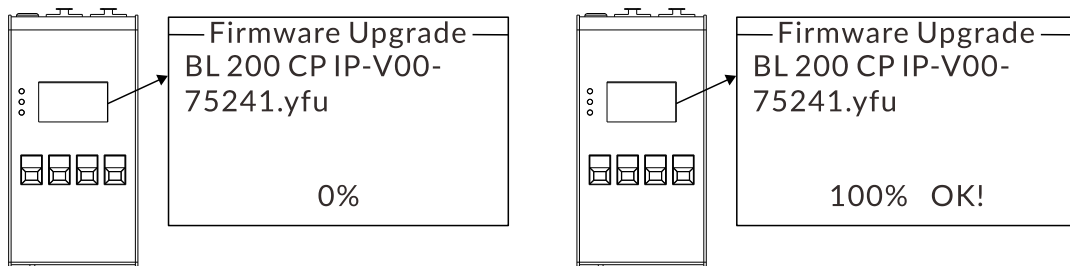
5. Select the first file (V00) to be upgraded and press ENTER.



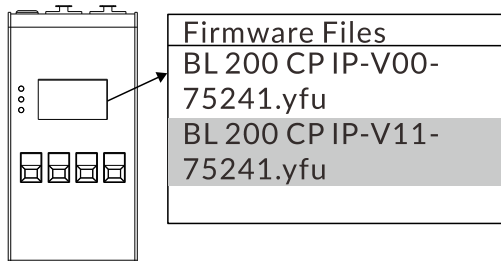
6. A window pops up in the display. Set a desired speed (1-100: slow-fast) of upgrade and press ENTER.



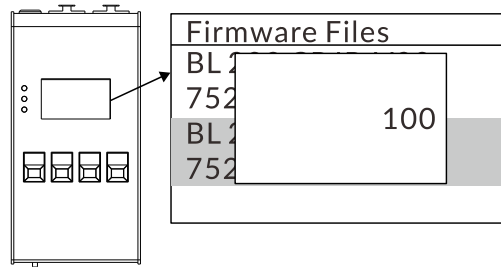
7. The Uploader II will display the upgrade process from 0-100%. Once the first file (V00) upgrade is complete, the upgrade process will display 100% OK!. While still in the Firmware Upgrade screen, pressing MENU once returns you to the Firmware Files screen.



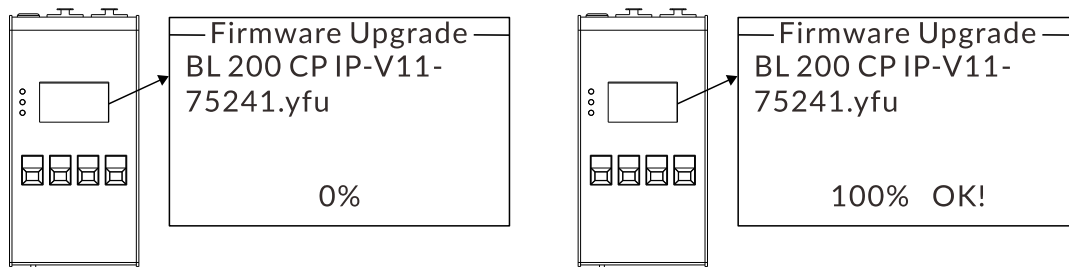
8. Select the next upgrade file (Vxx) and press ENTER.



9. Again, set the desired speed of upgrade and press ENTER.



10. Again, the upgrade process displays from 0-100%. Once the second file (Vxx) upgrade is complete, the upgrade process will display 100% OK!. Press MENU to exit.

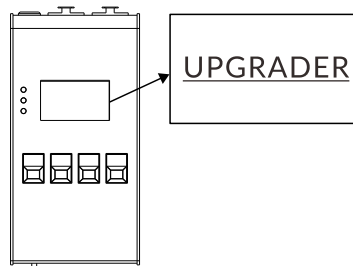




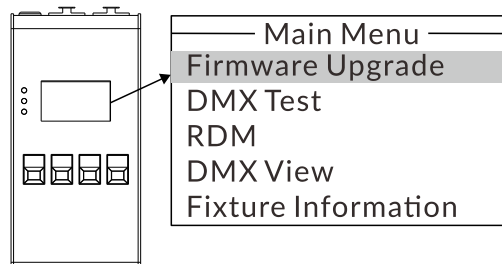
### 4.3 Upgrade Fixture's Firmware (Locked Upgrade)

This method is usually used after several failed upgrades to the fixture.

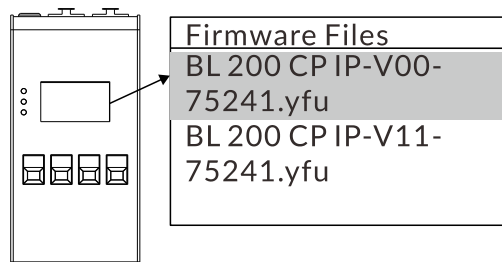
1. Download the fixture's software update files from the ACME website and store them in the SD card supplied with the Uploader II. Insert the SD card into the SD card slot of the Uploader II.
2. Connect the Uploader II to fixture, using 3-pin or 5-pin DMX cable.
3. With the fixture connected, switch on the Uploader II.



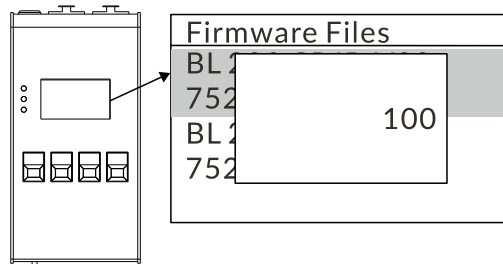
4. Press the MENU button and the display will show the following menu. Use ▼(DOWN)/▲(UP) button to select Firmware Upgrade and press ENTER.



5. Select the first file (V00) to be upgraded and press ENTER.

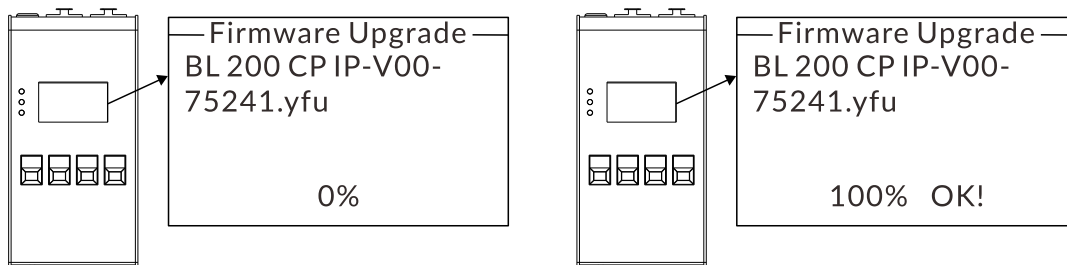


6. A window pops up in the display. Set a desired speed (1-100: slow-fast) of upgrade.

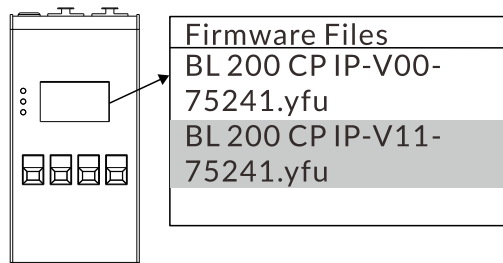


7. Power up the fixture and press ENTER of the Uploader II.

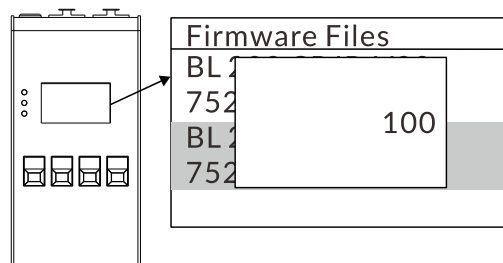
8. The Uploader II will display the upgrade process from 0-100%. Once the first file (V00) upgrade is complete, the upgrade process will display 100% OK!. While still in the Firmware Upgrade screen, pressing MENU once returns you to the Firmware Files screen.



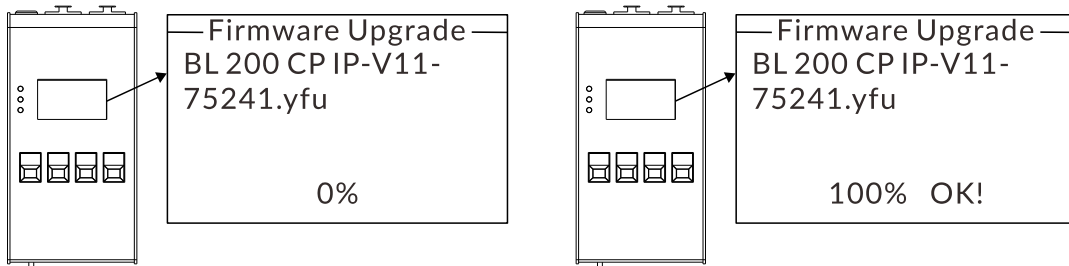
9. Select the next upgrade file (Vxx) and press ENTER.



10. Again, set the desired speed of upgrade and press ENTER.

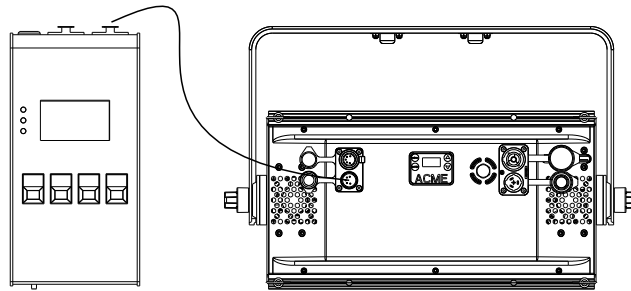


11. Again, the upgrade process displays from 0-100%. Once the second file (Vxx) upgrade is complete, the upgrade process will display 100% OK!. Press MENU to exit.

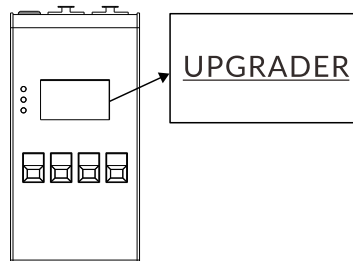


## 4.4 DMX Test

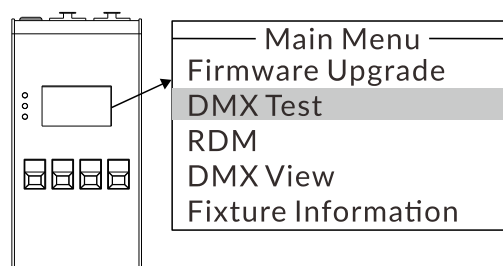
1. Connect the Uploader II to fixture, using 3-pin or 5-pin DMX cable.



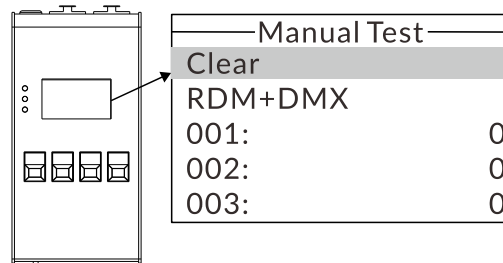
2. With the fixture connected, power up the fixture and switch on the Uploader II.



3. Press the MENU button and the display will show the following menu. Use ▼(DOWN)/▲(UP) button to select DMX Test and press ENTER.

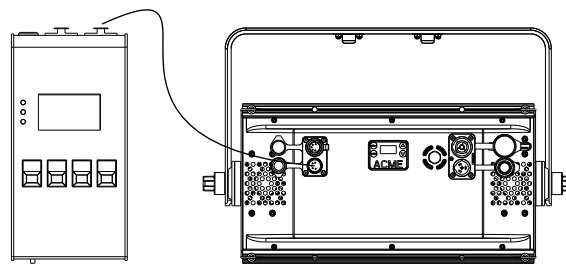


4. The Uploader II will display the Manual Test screen. Use ▼(DOWN)/▲(UP) button to select a channel for which the manual test is to be performed, press ENTER. Select a value (0-255), confirm your selection with ENTER. (Select Clear, use ▼(DOWN)/▲(UP) button to select Yes and press ENTER, all channel values will be cleared.)

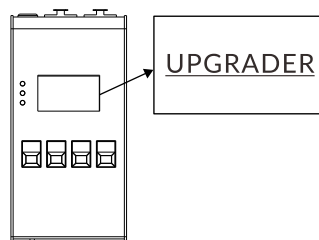


### 4.5 Remote Device Management (RDM)

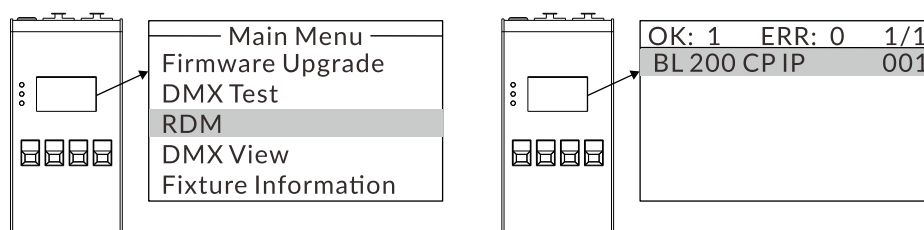
1. Connect the Uploader II to fixture, using 3-pin or 5-pin DMX cable.



2. With the fixture connected, power up the fixture and switch on the Uploader II.



3. Press the MENU button and the display will show the following menu. Use ▼(DOWN)/▲(UP) button to select RDM and press ENTER. The Uploader II will automatically read the connected fixture. Press ENTER and certain menus of the fixture will be called up via the RDM protocol.



## Menus called up via the RDM protocol:

MENU	SUBMENU	Description
UID		<i>Displays fixture's UID</i>
Error		<i>No errors... or displays a list of errors</i>
Address		<i>Read or set DMX address</i>
Channel		<i>Read or set channel mode</i>
Offset		<i>Read or set offset values</i>
Reset Device	No	
	Yes	<i>Reset the fixture</i>
Model ID		<i>Displays fixture's ID</i>
Device Hours		<i>Displays the fixture operating hours</i>
Lamp Hours		<i>Displays the LED operating hours</i>
MF_Label		<i>Displays the manufacturer of the fixture</i>
DEV_Label		<i>Displays fixture's name</i>
Ver_Label		<i>Displays fixture's firmware version</i>
Sensor		<i>Displays fixture's temperature</i>
Pan Tilt Menu	Pan Inverse	No
		Yes
	Tilt Inverse	No
		Yes
	Pan Tilt Feedback	No
		Yes
Dimmer Menu	Curve	Linear
		Square Law
		Inv SQ Law
		S Curve
	Speed	Fast
		Smooth
		Tungsten
	Frequency	900Hz
		1000Hz
		1100Hz
		1200Hz
		1300Hz
		1400Hz
		1500Hz
		2500Hz
4000Hz		
5000Hz		

MENU	SUBMENU		Description
		6000Hz	
		10000Hz	
		15000Hz	
		20000Hz	
		25000Hz	
	Pixel Invert	No	
		Yes	
	Power Mode	Standard	
		Quiet	
		Theatre	
	Calibration On Off	Off	
		On	
	Calibration Mode	CRI	
		Output	
Show Menu	No DMX Status	Blackout	
		Hold	
		Manual	
		Show	
	Prim/Sec	Primary	
		Secondary 1	
		Secondary 2	
	Show	Show 0	
		Show 1	
		Show 2	
		Show 3	
		Show 4	
	Sound On Off	Off	
		On	
Sound Sensitivity	0-100		
Factory Defaults	Password =60	No	<i>The fixture will be restored to its default settings. Use this function with caution!</i>
		Yes	



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