

PRODUCTS PRODOTTI	<b>STORMY</b> <b>STORMY CC</b>
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## Key / Legenda

	Grey background <i>Sfondo grigio</i>	The firmware is not suitable for the fixture. <i>Il firmware non è idoneo per il prodotto.</i>
●	Green background with dot <i>Sfondo verde con punto</i>	The firmware is the latest one available for the fixture and includes changes from the previous version for the same fixture. <i>Il firmware è l'ultima versione disponibile per il prodotto e include modifiche rispetto alla versione precedente per il medesimo prodotto.</i>
	Green background <i>Sfondo verde</i>	The firmware is the latest one available for the fixture but it does <u>not</u> include any changes from the previous version for the same fixture. <i>Il firmware è l'ultima versione disponibile per il prodotto ma <u>non</u> contiene alcuna modifica rispetto alla precedente versione per il medesimo prodotto.</i>
●	White background with dot <i>Sfondo bianco con punto</i>	The firmware includes changes from the previous version for the fixture but one (or more) newer version(s) is (are) currently available for the same fixture. <i>Il firmware include modifiche rispetto alla precedente versione per il prodotto, ma al momento è disponibile una (o più) versione(i) aggiornata(e) per il medesimo prodotto.</i>
	White background <i>Sfondo bianco</i>	The firmware is suitable for the fixture but it does <u>not</u> include any changes from the previous version and newer versions are available for the same fixture. <i>Il firmware è idoneo per il prodotto ma <u>non</u> contiene alcuna modifica rispetto alla precedente versione e sono disponibili versioni aggiornate per il medesimo prodotto.</i>

## ►► CPU Application Firmware

- ✓ to be uploaded on the fixture before the LED Driver firmware
- ✓ da caricare sul proiettore prima del LED Driver firmware

ELECTRONIC BOARD  SCHEMA ELETTRONICA	TYPE / TIPO <b>CP0163</b>	DESCRIPTION / DESCRIZIONE CPU board / Scheda CPU
	CP PART NUMBER / CODICE CP <b>SCH01Q</b>	
	IDENTIFICATION ON FIXTURE'S DISPLAY (INFORMATION → SYSTEM VERSION MENU) IDENTIFICAZIONE SUL DISPLAY DEL PROIETTORE (MENÙ INFORMATION → SYSTEM VERSION) CPU board	

Filename Nome file	Nameroot / radice del nome	Revision / Revisione	Extension / Estensione
	STORMY_FW_	N.N.NNN	.img

Upload system Metodo di caricamento	Fixture-to-Fixture da proiettore a proiettore	FirmwareUpLoader (C61206 kit)
	■	■

REVISION DATE	DESCRIPTION	STORMY	STORMY CC
<b>1.1.055</b> March 2019	Identification in fixture's Menù / Identificazione nel menu del proiettore: Strobe firmware 1.1.055 • Fixed bug RDM PID.	●	●
<b>1.1.054</b> December 2018	• Improved RDM management.	●	●
<b>1.1.053</b> May 2018	• Improved performances of "Duration channels".		●
<b>1.1.052</b> September 2017	• <b>Stormy</b> : Introduced the possibility to deactivate the "Xenon" effect using the Macro DMX channel. So new macro parameters: 0-3 bit Macro Off, 3-5 bit Xenon effect OFF. • <b>Stormy</b> : Improved the Random Strobe effects into the macro parameter. • <b>Stormy e CC</b> : Fixed a bug of display visualization into advanced menu.	●	●
<b>1.1.050</b> June 2015	• In <b>Stormy CC</b> : In Extended mode only, fixed unwanted, random OFF commands sent to the background strobe channel.		●


REVISION DATE	DESCRIPTION	STORMY	STORMY CC
<b>1.1.049</b> <i>June 2015</i>	<ul style="list-style-type: none"> <li>Dimmer curve 2 set as default; the lower end of curve 2 was adapted to match the lower end of dimmer curve 1.</li> <li>Fixed a bug that could sometimes cause a firmware update failure if the master unit's driver firmware had been updated previously.</li> <li>Cooling fans in the main body renamed "Head" in the "Fans Monitor".</li> <li>Fixed bug on the "rate" parameter that was causing the foreground dimmer not to be forced to 0 when needed</li> <li>Introduced channel-specific minimum threshold value for intensity, this also forces all the color channels to 0 when all said values are below their threshold.</li> <li>Improved the DMX reception when the starting channels were higher than 504.</li> <li>Possible loss of ON / OFF commands for the color channels prevented, <b>when used in combination with LED driver's FW release 3.017.</b></li> <li>Presets are not reset anymore after a "Reset to default" command is used.</li> <li>In <b>Stormy CC</b>: Added Extended DMX mode, macros to be implemented in a later step.</li> </ul>	●	●
<b>1.1.035</b> <i>January 2015</i>	<ul style="list-style-type: none"> <li>Improved internal controls and updated the graphic library to prevent undue warning displays.</li> <li>Added short-cuts to set maximum and minimum values of numbers range into the user menu.</li> <li>Added FUL command to set the Fixture hours.</li> <li>Implemented the cooling fans speed management.</li> <li>In <b>Stormy CC</b>: Added driver management for the Independent mode.</li> </ul>	●	●
<b>1.1.033</b> <i>January 2015</i>	<ul style="list-style-type: none"> <li>Optimized LEDs functionality in few specific conditions (for example after a long while they remain continuously on at full power.</li> </ul>	●	●
<b>1.1.032</b> <i>December 2014</i>	<ul style="list-style-type: none"> <li>Temporary firmware release including several operational improvements in early production batches, among them: in <b>STORMY</b> (not in CC version) has been deleted the menu item "Led Mode" and has been added the "Xenon Mode" which include a new Macro channel.</li> </ul>	●	●
<b>1.1.022</b> <i>September 2014</i>	<ul style="list-style-type: none"> <li>Temporary firmware release which includes few operational improvements in early batches of <b>STORMY</b> and <b>STORMY CC</b>.</li> </ul>	●	●
<b>1.1.017</b> <i>August 2014</i>	<ul style="list-style-type: none"> <li>Temporary firmware release which solves few known malfunctioning in early batches of <b>STORMY</b> and <b>STORMY CC</b>.</li> </ul>	●	●

## ►► LED Driver Firmware

- ✓ to be uploaded on the fixture after the CPU Application firmware
- ✓ after the firmware upload, it is necessary to manually switch the fixture off and on again to activate the updating
- ✓ da caricare sul proiettore dopo il CPU Application firmware
- ✓ dopo aver caricato il firmware può essere necessario spegnere e riaccendere il proiettore per attivare l'aggiornamento

ELECTRONIC BOARD  SCHEDA ELETTRONICA	DESCRIPTION / DESCRIZIONE <b>AC/DC LED Strobe Driver 4x225W</b>
	CP PART NUMBER / CODICE CP <b>ALI00B</b>

Filename Nome file	Nameroot / radice del nome	Revision / Revisione	Extension / Estensione
	STORMY_FW1_	N.NN	.img

Upload system Metodo di caricamento	FirmwareUpLoader (C61206 kit)
	

REVISION REVISIONE  DATE DATA	DESCRIPTION DESCRIZIONE	STORMY	STORMY CC
<b>3.17</b> April 2015	Identification in fixture's Menù / Identificazione nel menu del proiettore: Driver firmware <b>3.17</b> <ul style="list-style-type: none"> <li>Prevented a possible loss of ON / OFF commands to the colour channels.</li> </ul>	●	●
<b>3.08</b> December 2014	<ul style="list-style-type: none"> <li>Improved zero-crossing synchronization.</li> </ul>	●	●
<b>3.07</b> October 2014	<ul style="list-style-type: none"> <li>Optimized start-up process when the ambient temperature is lower than 0°C (32°F).</li> </ul>	●	●
<b>3.06</b> September 2014	<ul style="list-style-type: none"> <li>Improved reliability of serial messages communication to prevent flashing irregularities.</li> </ul>	●	●
<b>3.05</b> August 2014	<ul style="list-style-type: none"> <li>First official firmware release for <b>STORMY</b> and <b>STORMY CC</b>.</li> </ul>	●	●