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Elinchrom FIVE

Service Manual

(Temporary version available for the Elinchrom FIVE DISCHARGE PROCESS §1 Safety Notice)



Elinchrom FIVE (20690.1)



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TABLE OF CONTENT

TABLE OF CONTENT	2
1. SAFETY NOTICE	3
2. SPARE PARTS	4
3. SERVICE MENU	5
3.1. Activate Service Menu	5
3.2. Menus overview	5
3.2.1. Debug view	5
3.2.2. Burn-in test	6
3.2.3. Functional tests	6
3.2.4. Trigger test	7
3.2.5. Flash test	7
3.2.6. HV Discharge	7
3.2.7. LOGO color test	8
3.2.1. Battery status	8
4. FIRMWARE	9
4.1. Firmware Update	9
5. REPAIR ASSISTANCE	10
5.1. Error management	10
5.2. Failures management	10
6. KNOWN PROBLEMS	10

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3. Remove the battery	
4. Open the Housing <ol style="list-style-type: none"> a) Remove the FIVE Battery socket cover first (7 screws) b) Remove the Glass Dome (3 screws) c) With gloves, remove the flashtube and trigger contact. d) Remove the Inner Dish (3 screws) e) Remove the Front ring (1 screw) f) Remove the 8 screws in the Central Ring assembly g) Open the housing by sliding the Central Assembly off the housing 	
5. Check that the voltage between HV+ and HV- on the FIVE Flash board is lower than 50VDC	
6. Unit discharged and secure Now you can repairing and servicing safely.	

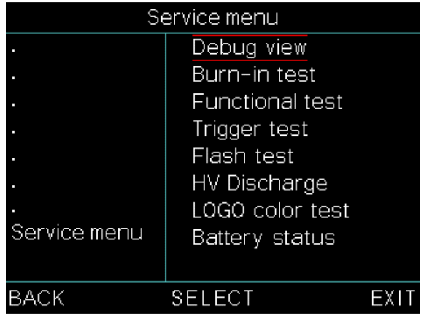
2. SPARE PARTS

All available spare parts are visible in our online web shop in the Distributor Center.

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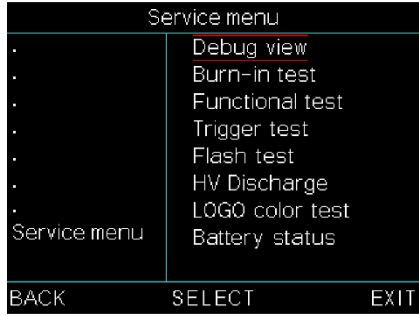
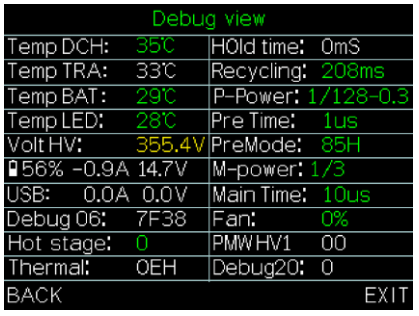
3. SERVICE MENU

3.1. Activate Service Menu

<p>Activate the Service Menu</p> <ul style="list-style-type: none"> c) Unit must be ON without USB-C charge cable. d) Press and hold the Menu button, then press and hold the Left button, then press and hold the Right button, then press and hold the Modelling lamp button 	
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3.2. Menus overview

3.2.1. Debug view

<p>Select "Debug view" in the service menu</p>	
<p><i>(Information will be available in this section with the next release of the service manual)</i></p>	

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3.2.2. Burn-in test

Select "Burn-in test" in the service menu	
Burn-in test 90V during 30 minutes 180V during 60 minutes 270V during 60 minutes 355V during 90 minutes	

3.2.3. Functional tests

Select "Functional test" in the service menu	
Functional tests Step 1/13 Dark Display [check pixels of the display] Step 2/13 Bright Display [check pixels of the display] Step 3/13 Ready LED flash [check ready led is flashing] Step 4/13 Power Button [Press Power button] Step 5/13 Left Button [Press Left button] Step 6/13 Right Button [Press Right button] Step 7/13 Favorite Button [Press Favorite button] Step 8/13 Menu Button [Press Menu button] Step 9/13 Modelling Lamp button [Press Mod. Lamp button] Step 10/13 Photocell Triggering [Flash with another unit to trigger the photocell] Step 11/13 Synchro Triggering [Trigger with a synchro cable] Step 12/13 EF Triggering [Trigger with Skyport transmitter in Group ALL, F1, Speed mode] Step 13/13 Test Complete [Press any key to return]	

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3.2.4. Trigger test

Select "Trigger test" in the service menu	
<p>Trigger test</p> <p>Count [Choose the number of flashes and press SELECT] Twait [Choose the time between flashes and press SELECT]</p> <p>To start the Trigger Test, push the Power button</p> <p><i>Note: During the Trigger test, the flash power is automatically set to minimum power.</i></p>	

3.2.5. Flash test

Select "Flash test" in the service menu	
<p>Flash test</p> <p>Count [Choose the number of flashes and press SELECT] Twait [Choose the time between flashes and press SELECT]</p> <p>To start the Flash Test, push the Power button</p> <p><i>Note: During the Flash test, the flash power is set on the last value before entering the Service menu.</i></p>	

3.2.6. HV Discharge

Select "HV Discharge" in the service menu	
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<p>Wait until unit shut down himself.</p>	
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3.2.7. LOGO color test

<p>Select "LOGO color test" in the service menu</p>	
<p>LOGO color test</p> <p>You can vary the value of red, green or blue leds of the Elinchrom side logo</p>	

3.2.1. Battery status

<p>Select "Battery status" in the service menu</p>	

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4. FIRMWARE

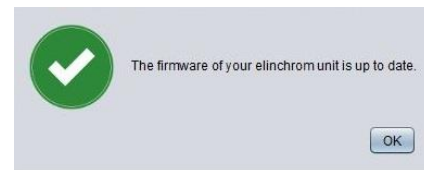
4.1. Firmware Update

Elinchrom FIVE firmware update could be done with a USB-C cable and the EL-Skyport Updater software version 2.40 or newer version.

Activate Firmware update mode

("USB Mode" is now displayed on the Elinchrom FIVE unit)

1. Start the EL-Updater Software on your computer
2. Follow the instructions in the EL-Updater Software



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5. REPAIR ASSISTANCE

5.1. Error management

The following table describes the possible errors, which could be shown on the display if the unit micro controller detects them:

Error number	Description	Solution for user (User manual)	Solution for Service
Error 1	Capacitors over voltage	Switch the unit off, wait 2 minutes and switch the unit on again. If the error shows up again the unit requires a check-up at an authorised Elinchrom Service Centre.	Replace the FIVE Power Board 270.072
	Charge Timeout		
	Unstable voltage (Charge hold error)		
	Discharge circuit error		
	Overtemperature		

5.2. Failures management

Failure Description	Solution for Service
No power-on (supplied by battery and/or USB-C)	Replace the FIVE Power Board 270.072
No flash and no triggering clicking sound	Replace the FIVE Trigger/LED Board 270.081

6. KNOWN PROBLEMS

All known problems have a corresponding Technical Note available in the online **Technical Centre**.