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ACT Flood 80 RGBW   **V1**

Order code: 34040

Table of contents

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Warning

| | For your own safety, please read this user manual carefully before your initial start-up! | |

Unpacking Instructions

Immediately upon receiving this product, carefully unpack the carton and check the contents to ensure that all parts are present, and have been received in good condition. Notify the dealer immediately and retain packing material for inspection if any parts appear damaged from shipping or the carton itself shows signs of mishandling. Save the carton and all packing materials. In the event that a fixture must be returned to the factory, it is important that the fixture will be returned in the original factory box and packing.

Your shipment includes:
- Showtec ACT Flood 80 RGBW
- Barndoor
- Schuko to Pro-power cable (1,5 m)
- User manual
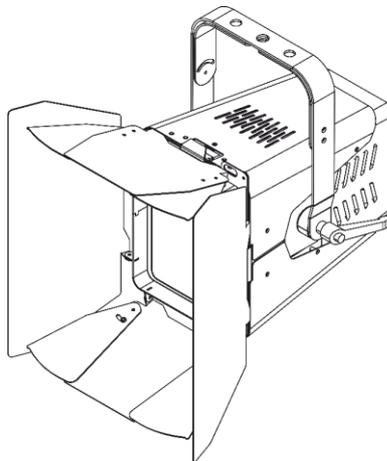
LED Expected Lifespan

LEDs gradually decline in brightness over time. HEAT is the dominant factor that leads to the acceleration of this decline. Packaged in clusters, LEDs exhibit higher operating temperatures than in ideal or singular optimum conditions. For this reason, when all color LEDs are used at their fullest intensity, life of the LEDs is significantly reduced. If improving the lifespan is of higher priority, place care in providing for lower operational temperatures. This may include climatic-environmental and the reduction of overall projection intensity.

| | CAUTION!
Keep this device away from rain and moisture!
Unplug mains lead before opening the housing! | |

Safety Instructions

Every person involved with the installation, operation and maintenance of this device has to:
- be qualified
- follow the instructions of this manual

| | CAUTION! Be careful with your operations.
With a dangerous voltage you can suffer
a dangerous electric shock when touching the wires! | |

Before the initial start-up, please make sure that there is no damage caused by transportation. Should there be any, consult your dealer and do not use the device.

To maintain perfect condition and to ensure a safe operation, it is absolutely necessary for the user to follow the safety instructions and warning notes contained in this manual.

Please consider that damages caused by manual modifications to the device are not subject to warranty.

This device contains no user-serviceable parts. Refer servicing to qualified technicians only.

IMPORTANT:
The manufacturer will not accept liability for any resulting damages caused by the non-observance of this manual or any unauthorized modification to the device.

- Never let the power cord come into contact with other cables! Handle the power cord and all connections with the mains with particular caution!
- Never modify, bend, mechanically strain, put pressure on, pull or heat up the power cord.
- Never strain the cable insert. There must always be sufficient cable going to the device. Otherwise, the cable will be damaged, which can cause serious damage.
- Never remove warning or informative labels from the unit.
- Never use anything to cover the ground contact.
- Never place any material over the lens.
- Never look directly into the light source.
- Never leave any cables lying around.
- Do not connect this device to a dimmer pack.
- Do not switch the device on and off in short intervals, as this will reduce the device's life.
- Do not touch the device's housing bare-handed during its operation (housing becomes very hot). Allow the fixture to cool for at least 5 minutes before handling.
- Do not shake the device. Avoid brute force when installing or operating the device.
- Only use the device indoors, avoid contact with water or other liquids.
- Only operate the fixture after having checked if the housing is firmly closed and all screws are tightly fastened.
- Only operate the device after having familiarized with its functions.
- Avoid flames and do not put close to flammable liquids or gases.
- Always keep the covers closed while operating.
- Always allow free space of at least 0,5 m around the unit for ventilation.
- Always disconnect power from the mains when device is not used or before cleaning! Only handle the power cord holding it by the plug. Never pull out the plug by tugging the power cord.
- Make sure that the device is not exposed to extreme heat, moisture or dust.
- Make sure that the available voltage is not higher than stated on the rear panel.
- Make sure that the power cord is never crimped or damaged. Check the device and the power cord from time to time.
- If the lens is obviously damaged, it has to be replaced to prevent its functions from being impaired, due to cracks or deep scratches.
- If device was dropped or struck, disconnect mains power supply immediately. Have a qualified engineer inspect for safety before operating.
- If the device has been exposed to drastic temperature fluctuation (e.g. after transportation), do not switch it on immediately. The arising condensation water may damage your device. Leave the device switched off until it has reached room temperature.
- If your Showtec device fails to work properly, discontinue the use immediately. Pack the unit securely (preferably in the original packing material), and return it to your Showtec dealer for service.
- For adult use only. The device must be installed beyond the reach of children. Never leave the unit running unattended.
- Never attempt to bypass the thermostatic switch or fuses.
- For replacement use fuses of same type and rating only.
- The user is responsible for correct positioning and operating of the device. The manufacturer will not accept liability for damages caused by the misuse or incorrect installation of this device.

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- This device falls under protection class I. Therefore it is essential to connect the yellow/green conductor to earth.
- Repairs, servicing and electric connection must be carried out by a qualified technician.
- WARRANTY: Till one year after date of purchase.

> **CAUTION! Eyedamages!!!**
> **Avoid looking directly into the lightsource!!!**
> **(meant especially for epileptics)!!!**

Operating Determinations

- This device is not designed for permanent operation. Consistent operation breaks will ensure that the device will serve you for a long time without defects.
- The minimum distance between light output and the illuminated surface must be bigger than 1 m.
- In order to eliminate wear and improve the device's lifespan, during periods of non-use, completely disconnect from power source via breaker or by unplugging.
- The maximum ambient temperature t_a = 40 °C must never be exceeded.
- The relative humidity must not exceed 50 % with an ambient temperature of 40 °C.
- If this device is operated in any other way than the one described in this manual, the product may suffer damages and the warranty becomes void.
- Any other operation may lead to dangers like short-circuit, burns, electric shock, crash, etc.

You endanger your own safety and the safety of others!

Rigging

Please follow the European and national guidelines concerning rigging, trussing and all other safety issues.

Do not attempt the installation yourself!
Always let the installation be carried out by an authorized dealer!

Procedure:
- If the device is lowered from the ceiling or high joists, professional trussing systems have to be used.
- Use a clamp to mount the device with the mounting bracket to the trussing system.
- The device must never be fixed swinging freely in the room.
- The installation must always be secured with a safety attachment, e.g. an appropriate safety net or safety cable.
- When rigging, derigging or servicing the device, always make sure, that the area below the installation site is secured and that there are not any unauthorized people around.

Improper installation can cause serious injuries and/or damage of property!

Clamp

Safety cable
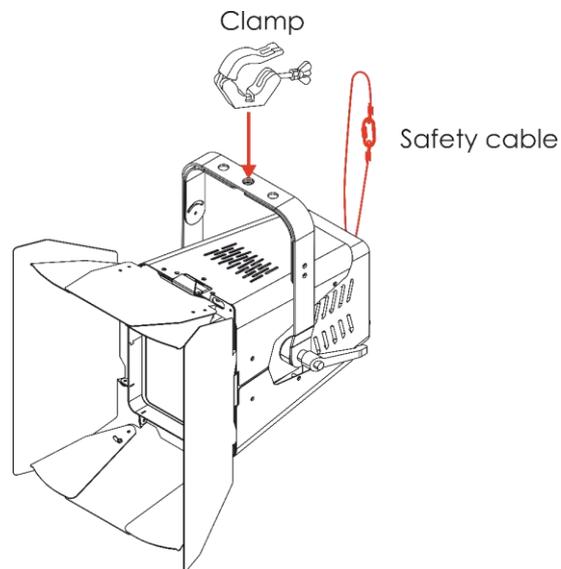
Angle Adjustment
You can adjust the angle of the device with the **adjustment handle (12)**.
01) Turn the **adjustment handle (12)** counterclockwise to release it.
02) Tilt the device at the desired angle (see Fig. 01).
03) Turn the **adjustment handle (12)** clockwise to tighten it. Make sure that the device cannot move freely after the **adjustment handle (12)** is tightened.

Fig. 01

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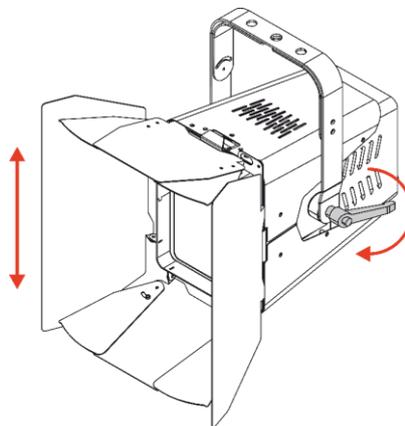## Connection with the Mains

Connect the device to the mains with the power plug.
Always check if the right color cable is connected to the right place.

International	EU Cable	UK Cable	US Cable	Pin
L	BROWN	RED	YELLOW/COPPER	PHASE
N	BLUE	BLACK	SILVER	NEUTRAL
⏚	YELLOW/GREEN	GREEN	GREEN	PROTECTIVE GROUND

Make sure that the device is always properly connected to the earth!

Improper installation can cause serious injuries and/or damage of property!
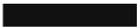
⚠ Return Procedure ⚠

Returned merchandise must be sent prepaid and in the original packing, call tags will not be issued. Package must be clearly labeled with a Return Authorization Number (RMA number). Products returned without an RMA number will be refused. Highlite will not accept the returned goods or any responsibility. Call Highlite 0031-455667723 or mail aftersales@highlite.com and request an RMA prior to shipping the fixture. Be prepared to provide the model number, serial number and a brief description of the cause for the return. Be sure to properly pack fixture, any shipping damage resulting from inadequate packaging is the customer's responsibility. Highlite reserves the right to use its own discretion to repair or replace product(s). As a suggestion, proper UPS packing or double-boxing is always a safe method to use.

Note: If you are given an RMA number, please include the following information on a piece of paper inside the box:
01) Your name
02) Your address
03) Your phone number
04) A brief description of the symptoms

Claims

The client has the obligation to check the delivered goods immediately upon delivery for any short-comings and/or visible defects, or perform this check after our announcement that the goods are at their disposal. Damage incurred in shipping is the responsibility of the shipper; therefore the damage must be reported to the carrier upon receipt of merchandise.
It is the customer's responsibility to report and submit claims with the shipper in the event that a fixture is damaged due to shipping. Transportation damage has to be reported to us within one day after receipt of the delivery.
Any return shipment has to be made post-paid at all times. Return shipments must be accompanied with a letter defining the reason for return shipment. Non-prepaid return shipments will be refused, unless agreed otherwise in writing.
Complaints against us must be prepared in writing or sent by fax within 10 working days after receipt of the invoice. After this period complaints will not be handled anymore.
Complaints will only then be considered if the client has so far complied with all parts of the agreement, regardless of the agreement from which the obligation is resulting.

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Description of the Device

Features

The Showtec ACT Flood 80 RGBW is driven by a RGBW Quad LED module. It offers excellent colour mixing, dimming and wash effects and is controllable via DMX. Dimmer and preset colour knobs are also present which make handling the ACT Flood 80 very easy. Colour temperature can be arranged quite easily as well with choices between 2800K to 10000K. This unit is very well equipped for small theatres, galleries, TV studios and events.

- Input voltage: 100–240 V AC, 50/60 Hz
- Power consumption: 85W
- Light source: 1 x 80 W RGBW Quad LED
- Beam angle: 95°–105°
- Output: 1540 lx @ 2 m
- Color temperature: 2800K to 10000K
- Pre-set color & temperature control
- Dimmer: 0–100 %
- Strobe effect: Yes
- Connections: Pro-power connectors IN/OUT, 3-pin DMX signal connectors IN/OUT
- DMX channels: 4, 7, 11
- Control: DMX, Manual
- Display: OLED
- Housing: Extruded aluminum
- Color: Black
- Cooling: Internal fan
- IP Rating: IP20
- Ambient Temp.   0 ~ +40 °C
- Fuse: T2 AL/250 V AC
- Dimensions: 422 x 285 x 373 mm (L x W x H)
- Weight: 4,14 kg (without barndoor), 5,45 kg (with barndoor)

Overview
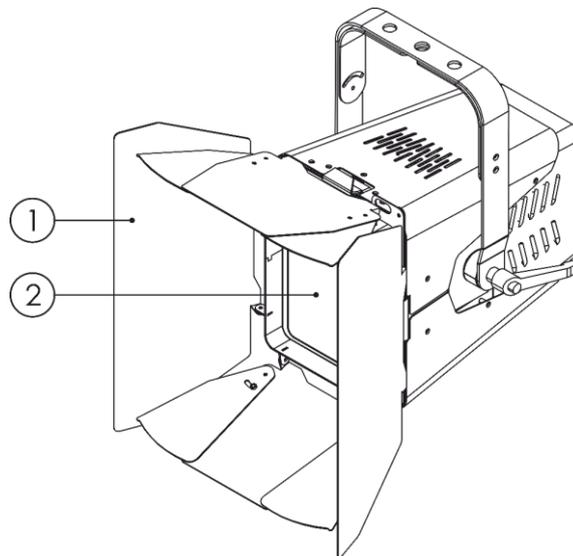
Fig. 02

01) Barndoor
02) 80 W RGBW Quad

Backside
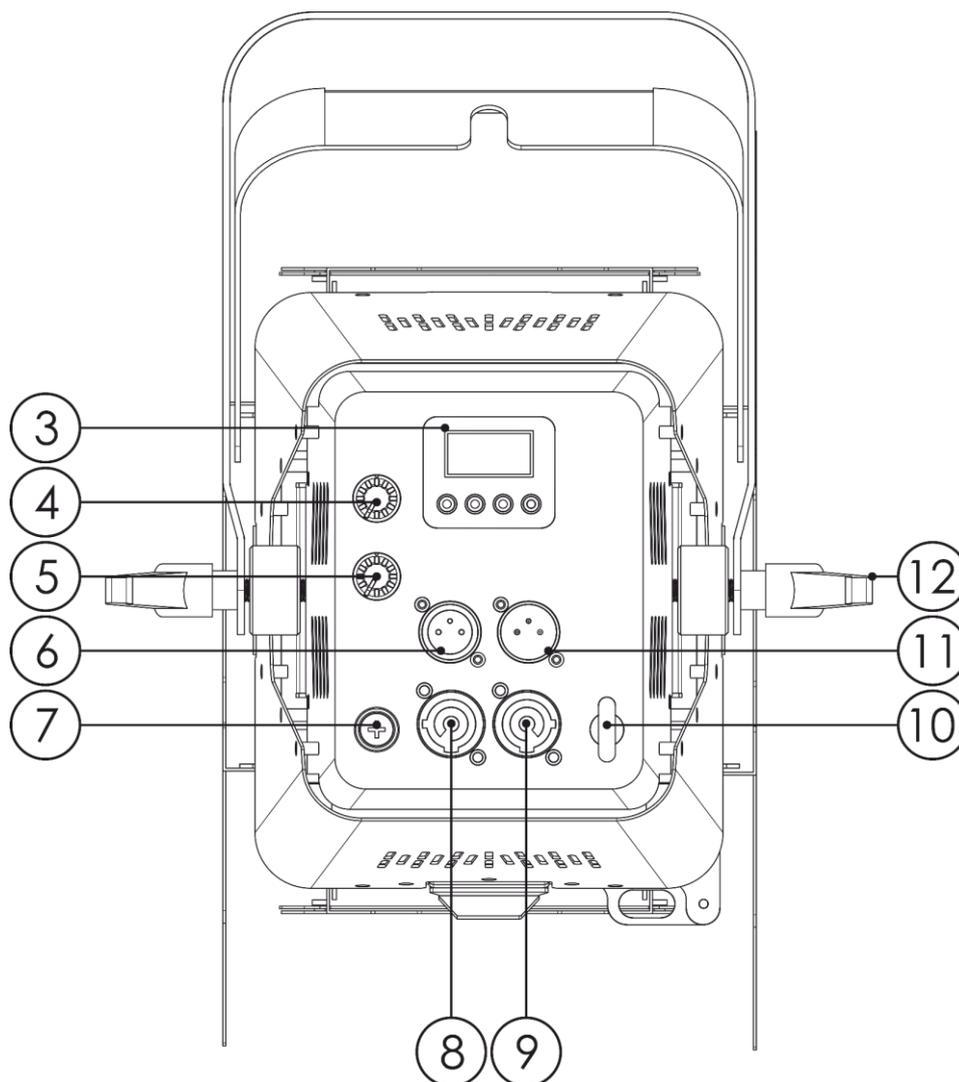
Fig. 03

03) 4-digit LED display + menu buttons
04) Manual Color Select
05) Manual Dimmer
06) 3-pin DMX signal connector IN
07) Fuse T2 AL/250V
08) Pro-power connector IN 100–240 V, 7A, 50/60 Hz (Blue)
09) Pro-power connector OUT 100–240 V, 7A, 50/60 Hz (Gray)
10) Safety eye
11) 3-pin DMX signal connector OUT
12) Adjustment screw

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Installation

Remove all packing materials from the ACT Flood 80 RGBW. Check if all foam and plastic padding is removed. Connect all cables.
Do not supply power before the whole system is set up and connected properly.
Always disconnect from electric mains power supply before cleaning or servicing.
Damages caused by non-observance are not subject to warranty.

Setup and Operation

Follow the directions below, as they pertain to your preferred operation mode.
Before plugging the unit in, always make sure that the power supply matches the product specification voltage. Do not attempt to operate a 120 V specification product on 230 V power, or vice versa.
Connect the device to the main power supply.

Multiple Fixtures Power Linking

The ACT Flood 80 RGBW supports power linking. Power can be relayed to another device via the power OUT connector. Note that the input and the output connectors have different designs: one type cannot be connected to the other.
To link fixtures in a chain, a hard usage cable with appropriate cable jacket must be used. Power linking cables are available for purchase from Highlite International.
To prevent power overload and damage to the fixture, do not link more fixtures in one chain than recommended. After you have reached the maximum number of fixtures, use a new power outlet.

Maximum recommended number of fixtures on a power link @ 110 V: 20 fixtures
Maximum recommended number of fixtures on a power link @ 240 V: 45 fixtures

Control Modes

There are 2 modes:
- Manual control
- DMX-512 (4CH, 7CH, 11CH)

One ACT Flood (Manual Control)
01) Fasten the effect light to a firm trussing. Leave at least 0,5 meter on all sides for air circulation.
02) Secure the device with a safety cable (order code 70140 / 70141).
03) Plug the end of the electric mains power cord into a proper electric power supply socket.

When the ACT Flood is not connected with a DMX cable, it functions as a stand-alone device. It can be controlled via the manual dimmer control or the menu settings.

Manual dimmer control
01) Select the option Rotary Knob in the **Manual Settings** menu. Refer to **2. Manual Settings** on page 17 for more information.
02) Exit the submenu and return to the start screen. The start screen shows now the following:

```
                          LED 23°C

        Color:   Cyan
        Dimmer: 255
```

03) Turn the **manual dimmer control (5)** to adjust the intensity of the light. The adjustment range is between 0 and 255 (from 0 to 100 %). The current value of the dimmer is displayed on the screen.

Note: If you do not return to the start screen you cannot adjust the dimmer. The **manual dimmer control (5)** is not functional, if you do not exit the menu and return to the start screen.

Note: In this mode you can control only the intensity of the light. It is not possible to add strobe effect.

Manual color control
01) Select the option Rotary Knob in the **Manual Settings** menu. Refer to **2. Manual Settings** on page 17 for more information.
02) Exit the submenu and return to the start screen. The start screen shows now the following:

```
                          LED 23°C

        Color:   Blue
        Dimmer: 000
```

03) Turn the **manual color control (4)** to adjust the intensity of the light.
    The adjustment range is:
    Red, Green, Blue, White, Pink, Magenta, Yellow, Orange, Cyan, 2800K, 3200K, 4400K, 5600K, 7200K, 10000K.
    The current color is displayed on the screen.

Note: If you do not return to the start screen you cannot adjust the color control. The **manual color control (4)** is not functional, if you do not exit the menu and return to the start screen.

Note: In this mode you can control only the color of the light. It is not possible to add strobe effect.

Multiple ACT Floods (DMX Control)
01) Fasten the effect light to a firm trussing. Leave at least 0,5 meter on all sides for air circulation.
02) Secure the device with a safety cable (order code 70140 / 70141).
03) Use a 3-pin DMX cable to connect the ACT Flood and other devices.


```
Pin 1: GND (screen) ○————————————————————○ Pin 1: GND (screen)
Pin 2: Signal (-)   ○————————————————————○ Pin 2: Signal (-)
Pin 3: Signal (+)   ○————————————————————○ Pin 3: Signal (+)
Pin 4: N/C          ○
Pin 5: N/C          ○
```



```
Pin 1: GND (screen) ○————————————————————○ Pin 1: GND (screen)
Pin 2: Signal (-)   ○————————————————————○ Pin 2: Signal (-)
Pin 3: Signal (+)   ○————————————————————○ Pin 3: Signal (+)
                                        ————○ Pin 4: N/C
                                        ————○ Pin 5: N/C
```
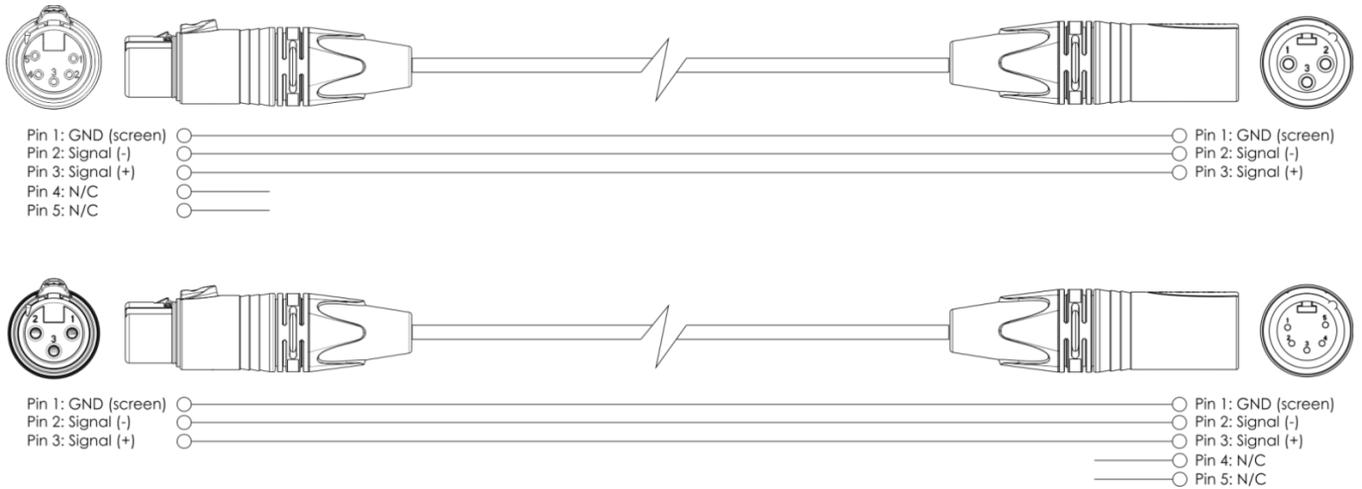
04) Link the units as shown in Fig. 04. Connect a light controller to the first unit's DMX "in" socket, using a DMX cable. Connect the first unit's "out" socket with the second unit's "in" socket, using a DMX cable. Repeat this process to link the rest of the units.
05) Supply electric power: Plug electric mains power cords into each unit's power IN socket, then plug the other end of the mains power cord into proper electric power supply sockets, starting with the first unit. Do not supply power before the whole system is set up and connected properly.
06) Refer to **1. DMX Functions** on pages 15–17 for more information about the DMX settings.
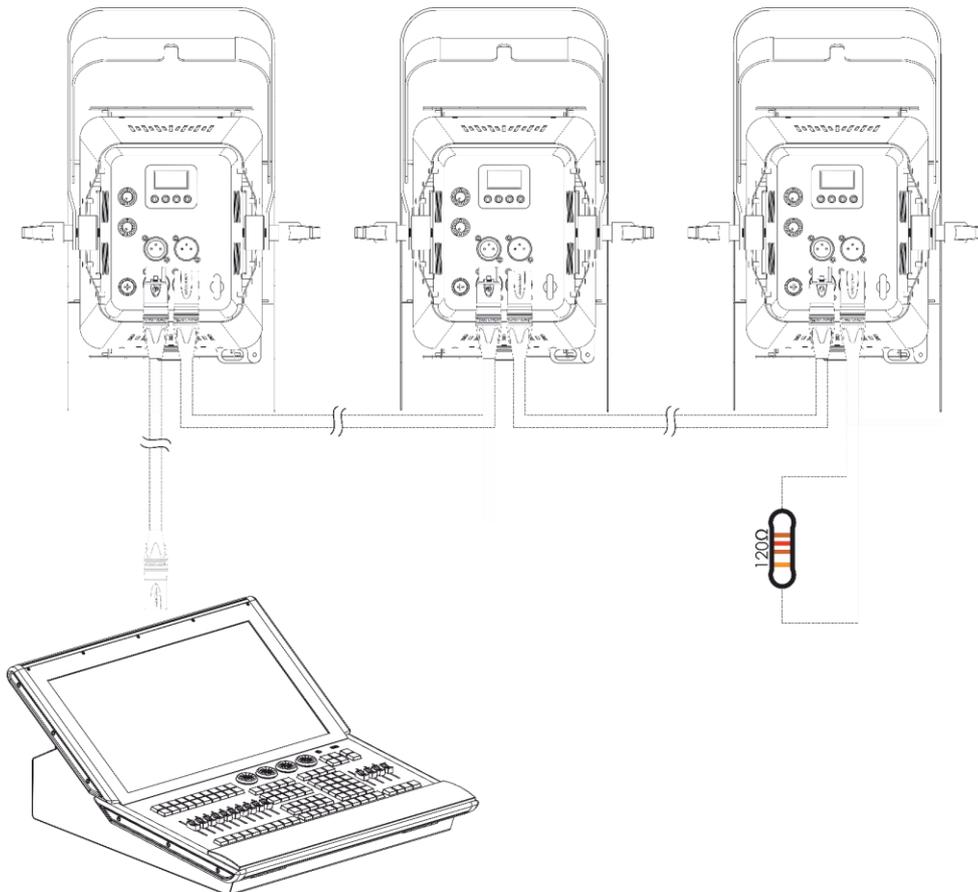
Fig. 04

Note: Link all cables before connecting electric power

Fixture Linking

You will need a serial data link to run light shows of one or more fixtures using a DMX-512. The combined number of channels required by all the fixtures on a serial data link determines the number of fixtures the data link can support.

Important: Fixtures on a serial data link must be daisy-chained in a single line. To comply with the EIA-485 standard, no more than 30 devices should be connected on one data link. Connecting more than 30 fixtures on one serial data link without the use of an optically isolated DMX splitter may result in deterioration of the digital DMX signal.

Maximum recommended DMX data link distance: 100 meters
Maximum recommended number of fixtures on a DMX data link: 30 fixtures

Data Cabling

To link fixtures together, you must obtain data cables. You can purchase DAP Audio certified DMX cables directly from a dealer/distributor or construct your own cable. If you choose to create your own cable, please use data-grade cables that can carry a high quality signal and are less prone to electromagnetic interference.

DAP Audio DMX Data Cables
- DAP Audio 110 Ohm cable with digital signal transmission. **Order code** FL0975 (0,75 m), FL09150 (1,5 m), FL093 (3 m), FL096 (6 m), FL0910 (10 m), FL0915 (15 m), FL0920 (20 m).
- DAP Audio DMX Terminator 3-pin. **Order code** FLA42.

Note: Use of 3-pin XLR audio cables for DMX data transmission might lead to signal degradation and unreliable operation of the DMX network.
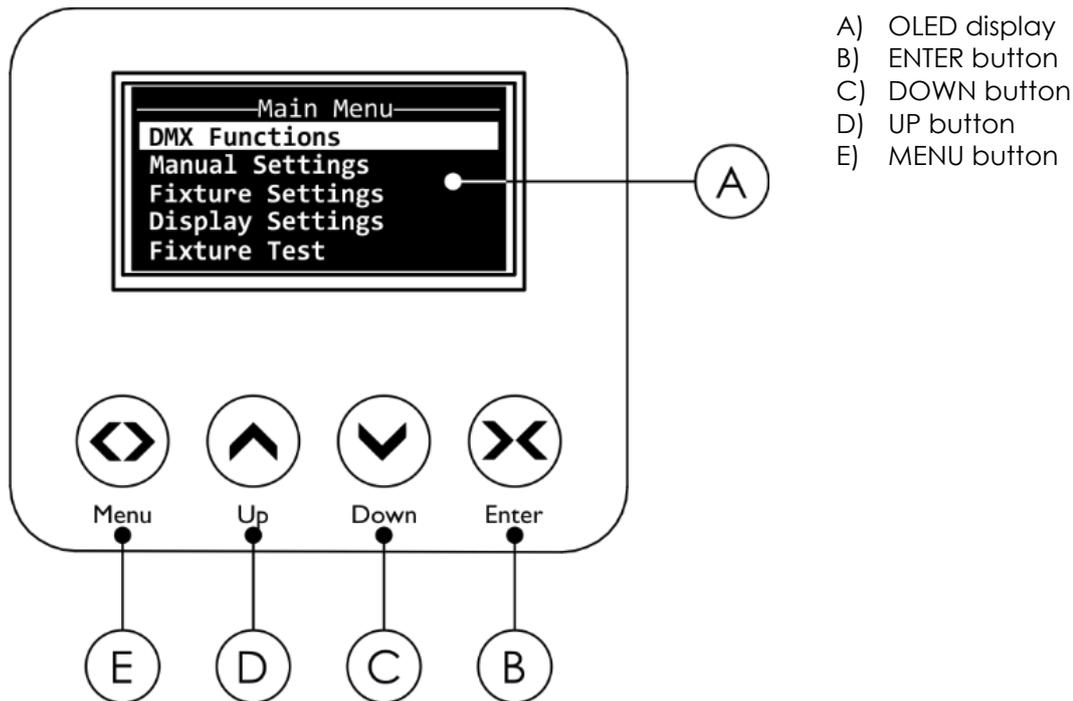
Control Panel

A) OLED display
B) ENTER button
C) DOWN button
D) UP button
E) MENU button

Fig. 05

DMX Addressing

The control panel on the back side of the fixture allows you to assign the fixture a DMX address, which is the first channel with which the ACT Flood will respond to a DMX controller.
When using multiple ACT Floods, make sure you set the DMX addresses right. The device has **11** channels. Therefore, the DMX address of the first ACT Flood should be **1 (001)**; the DMX address of the second ACT Flood should be **1+11=12 (012)**; the DMX address of the third ACT Flood should be **12+11=23 (023)**, etc. Make sure that you do not have any overlapping channels in order to control each ACT Flood correctly. If two or more ACT Floods are addressed similarly, they will work similarly.

Controlling:

After having addressed all ACT Floods, you may now start operating these via your lighting controller.

After switching on, the ACT Flood will automatically detect whether DMX 512-data is received or not. If there is no data received at the DMX input, the problem may be:
● The DMX cable from the controller is not connected with the input of the ACT Flood.
● The controller is switched off or defective, the cable or connector is detective, or the signal wires are swapped in the input connector.

Note: It is necessary to insert a termination plug (with 120 Ohm) in the last fixture in order to ensure proper transmission on the DMX data link.

Main Menu Overview

MENU

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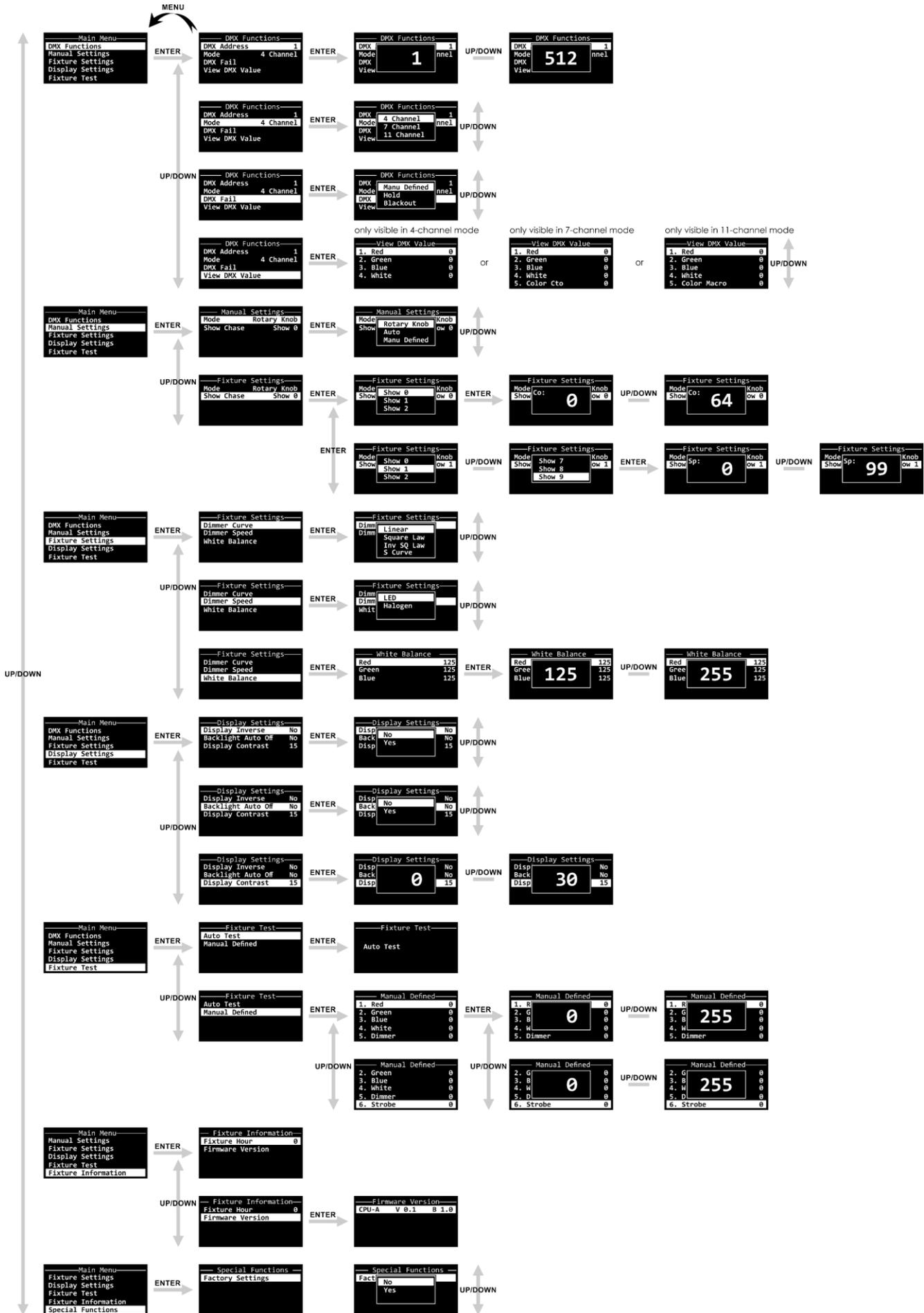
Start-up

Upon start-up the display will show a splash screen with the name of the device:

ACT Flood 80 RGBW

Immediately afterwards the display will show the start screen. The start screen provides information about the current control mode of the device and the temperature of the LEDs.

LED 23°C Color: Cyan Dimmer: 240	DMX Address LED 23°C **001** 1 Channel
Manual mode via the manual Color Select and Dimmer Control	DMX mode

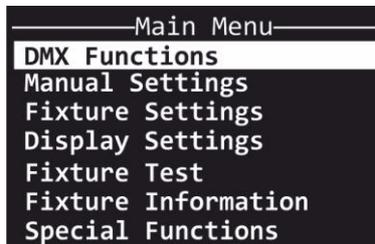- Use the **MENU** button to exit the current submenu, to return to the Main Menu and to return to the start screen.
- Use the **UP/DOWN** buttons to navigate through the menus or to increase/decrease numeric values.
- Use the **ENTER** button to open the desired menu, to confirm your choice or to set the currently selected value.

Note:
If no button is pressed, after 30 seconds of inactivity the display will turn off. Press any button to turn the display on. Refer to **4. Display Settings** on page 20 for more information.

Main Menu Options

The main menu has the following options:

```
————Main Menu————
DMX Functions
Manual Settings
Fixture Settings
Display Settings
Fixture Test
Fixture Information
Special Functions
```

01) Press the **UP/DOWN** buttons to navigate through the Main Menu.
02) Press the **ENTER** button to open the submenu.

1. DMX Functions
In this menu you can configure the DMX settings of the device.
01) Press the **UP/DOWN** buttons to scroll through the following options:
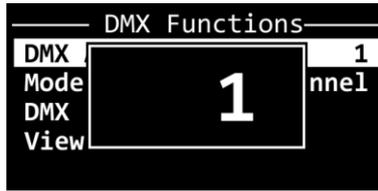
```
———— DMX Functions————
DMX Address          1
Mode        4 Channel
DMX Fail
View DMX Value
```
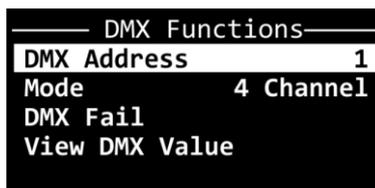
02) Press the **ENTER** button to confirm your choice.

1.1 DMX Address

In this pop-up submenu you can set the starting DMX address of the device.

01) Press the **UP/DOWN** buttons to select the starting DMX address of the device. The selection range is between 1 and 512.
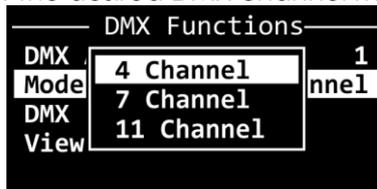
```
┌──── DMX Functions ────┐
│ DMX ┌──────────────┐ 1 │
│ Mode│      1       │nnel│
│ DMX │              │   │
│ View└──────────────┘   │
└───────────────────────┘
```

02) Press the **ENTER** button to confirm the selection.

1.2 DMX Channel Mode

In this pop-up submenu you can select the DMX channel mode.

01) Press the **UP/DOWN** buttons to select the desired DMX channel mode. There are 3 options available:

```
┌──── DMX Functions ────┐
│ DMX ┌──────────────┐ 1 │
│ Mode│  4 Channel   │nnel│
│ DMX │  7 Channel   │   │
│ View│ 11 Channel   │   │
│     └──────────────┘   │
└───────────────────────┘
```

02) Press the **ENTER** button to confirm the selection.

1.3 DMX Fail

In this pop-up submenu you can determine the behavior of the device in case of a DMX signal failure.

01) Press the **UP/DOWN** buttons to select one of the following 3 options:

```
┌──── DMX Functions ────┐
│ DMX ┌──────────────┐ 1 │
│ Mode│ Manu Defined │nnel│
│ DMX │ Hold         │   │
│ View│ Blackout     │   │
│     └──────────────┘   │
└───────────────────────┘
```
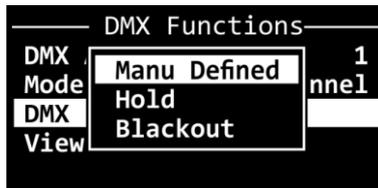
- Manually Defined: The device will use the dimmer value selected with the **manual color control (4)** and **manual dimmer control (5)** in manual mode. Refer to **One ACT Flood (Manual Control)** on page 10 for more information
- Hold: The device will use the last properly received DMX signal
- Blackout: The device will black out the light output

02) Press the **ENTER** button to confirm your choice.

1.4 View DMX Value

In this submenu you can view the currently selected DMX value for each DMX channel.

If you have selected 4-channel DMX mode, only the Red, Green, Blue and White Dimmer values will be visible on the screen.

If you have selected 7-channel DMX mode, the Red, Green, Blue, White, Color Cto, Dimmer and Strobe values will be visible on the screen.

If you have selected 11-channel DMX mode, the Red, Green, Blue, White, Color Macro, Color Cto, Dimmer, dimmer fine, Strobe, Built-in Programs and Built-in Program Speed values will be visible on the screen.

```
──────View DMX Value──────
1. Red              0
2. Green            0
3. Blue             0
4. White            0
```

```
──────View DMX Value──────
1. Red              0
2. Green            0
3. Blue             0
4. White            0
5. Color Cto        0
6. Dimmer           0
7. Strobe           0
```

```
──────View DMX Value──────
1. Red              0
2. Green            0
3. Blue             0
4. White            0
5. Color Macro      0
6. Color Cto        0
7. Dimmer           0
8. Dimmer Fine      0
9. Strobe           0
10.Built-in         0
11.Built-in Sp      0
```

        4-channel DMX mode   7-channel DMX mode   11-channel DMX mode

2. Manual Settings

In this menu you can select how the device will be operated manually.

03) Press the **UP/DOWN** buttons to scroll through the following options:

```
───── Manual Settings─────
Mode          Rotary Knob
Show Chase        Show 0
```

04) Press the **ENTER** button to confirm your choice.

2.1 Control Mode

In this pop-up submenu you can set manual control mode of the device.

01) Press the **ENTER** button to open the pop-up submenu for the manual mode settings.

02) Press the **UP/DOWN** buttons to select one of the following 3 options:

```
───── Manual Settings─────
Mode┌──────────────┐Knob
Show│  Rotary Knob │ow 0
    │  Auto        │
    │  Manu Defined│
    └──────────────┘
```

- Rotary Knob: The dimming of the light output is controlled manually with the **manual color control (4)** and **manual dimmer control (5)**. Refer to **One ACT Flood (Manual Control)** on page 10 for more information
- Auto: Built-in program
- Manually Defined: The dimming/color of the light output is controlled manually via the menu. Refer to **One ACT Flood (Manual Control)** on page 10 for more information

03) Press the **ENTER** button to confirm your choice.

2.2 Show Mode / Static Colors
In this pop-up submenu you can set the built-in show/static color mode.
01) Press the **ENTER** button to open the pop-up submenu for the desired show mode.
02) You can choose 2 different sub menus:

```
┌──────Fixture Settings──────┐
│Mode┌─────────────┐Knob     │
│Show│  Show 0     │ow 0     │
│    │  Show 1     │         │
│    │  Show 2     │         │
│    └─────────────┘         │
└────────────────────────────┘
```

```
┌──────Fixture Settings──────┐          ┌──────Fixture Settings──────┐
│Mode┌─────────────┐Knob     │          │Mode┌─────────────┐Knob     │
│Show│  Show 0     │ow 1     │ UP/DOWN  │Show│  Show 7     │ow 1     │
│    │  Show 1     │         │ ───      │    │  Show 8     │         │
│    │  Show 2     │         │          │    │  Show 9     │         │
│    └─────────────┘         │          │    └─────────────┘         │
└────────────────────────────┘          └────────────────────────────┘
```
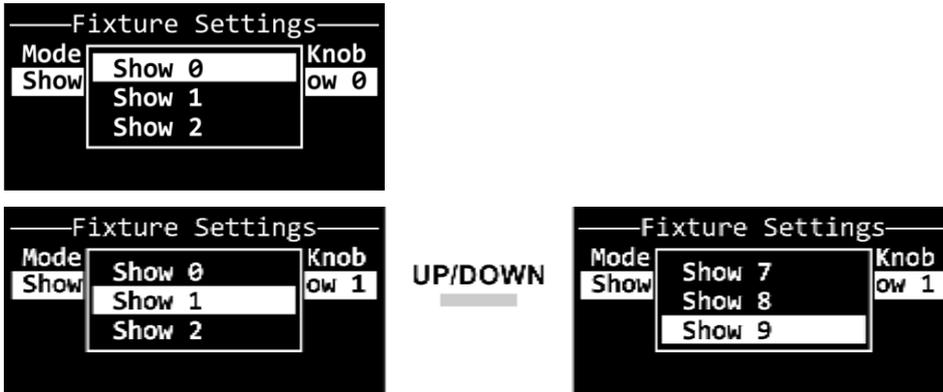
03) Press the **ENTER** button to open the pop-up submenu for the desired show mode:
    If you have chosen Show 0, you can select 64 static colors.
    If you have chosen Show 1-9, you can set the show speed between 0-99.
04) Press the **ENTER** button to confirm your choice.

3. Fixture Settings
In this menu you can adjust the fixture settings.
01) Press the **UP/DOWN** buttons to scroll through the following options:

```
———Fixture Settings———
Dimmer Curve
Dimmer Speed
White Balance
```
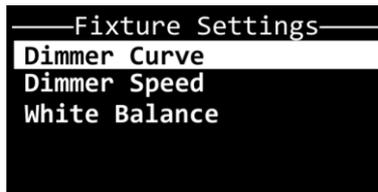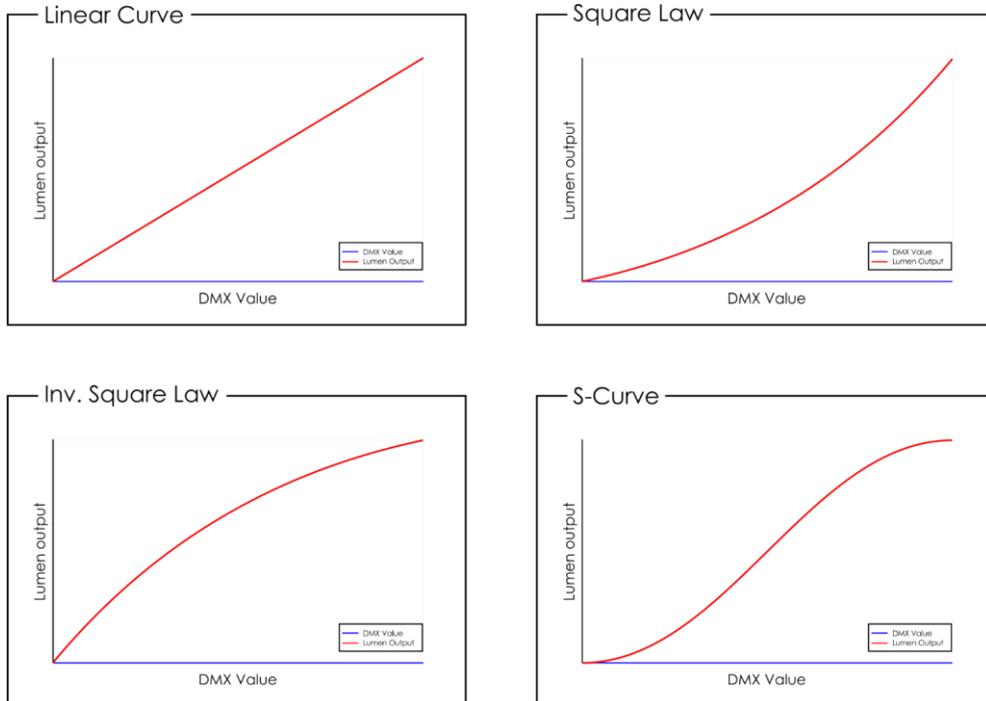
02) Press the **ENTER** button to confirm your choice.

3.1 Dimmer Curve
In this pop-up submenu you can set the dimmer curve.
01) Press the **ENTER** button to open the pop-up submenu for the dimmer curve settings.
02) Press the **UP/DOWN** buttons to toggle between Linear, Square Law, Inverse Square Law and S-Curve

- Dimmer Speed: There are 2 options available: LED (instant dimming without delay) and Halogen (delayed dimming, imitating the behavior of a halogen lamp)
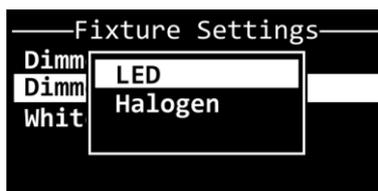01) Press the **ENTER** button to confirm your choice.

3.2 Dimmer Speed
In this pop-up submenu you can set dimmer speed of the device.
01) Press the **ENTER** button to open the pop-up submenu for the dimmer speed settings.
02) Press the **UP/DOWN** buttons to select one of the following 2 options:

```
———Fixture Settings———
Dimm  LED
Dimm  Halogen
Whit
```

- LED: Lamp dims immediately
- Halogen: Lamp dims 0,5 seconds slower, like a normal halogen lamp

03) Press the **ENTER** button to confirm your choice.

3.3 White Balance

In this pop-up submenu you can set the white balance of the device.

01) Press the **ENTER** button to open the pop-up submenu for the white balance settings.

02) Press the **UP/DOWN** buttons to toggle between Red, Green and Blue:
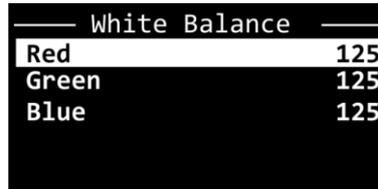
```
——— White Balance ———
Red                  125
Green                125
Blue                 125
```

03) Press the **ENTER button** to confirm your selection and open the respective pop-up submenus where you can adjust the values.

04) Press the **UP/DOWN buttons** to adjust the values. The adjustment range is between 125 and 255.

05) Press the **ENTER button** to confirm your choice.

4. Display Settings

In this menu you can adjust the display settings of the device.

01) Press the **UP/DOWN** buttons to scroll through the following options:
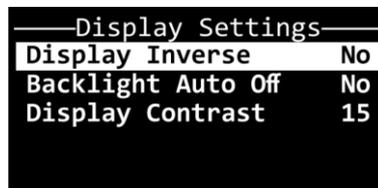
```
———Display Settings———
Display Inverse       No
Backlight Auto Off    No
Display Contrast      15
```

02) Press the **ENTER** button to confirm the selection and open the pop-up submenu where you can adjust the settings.

03) Press the **UP/DOWN** buttons to select the desired setting.

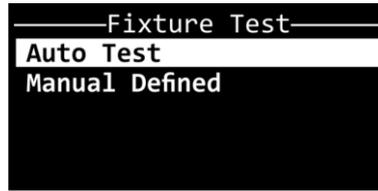04) Press the **ENTER** button to confirm the selection.

The available options are:

- Display Inverse: The OLED display will be rotated at 180° (NO/YES)
- Backlight Auto Off: The backlight of the OLED display will not turn off automatically after 30 seconds of inactivity (NO/YES)
- Display Contrast: The adjustment range is between 0 and 30 (from low to high contrast)

5. Fixture Test

In this menu you can perform test of the device's parameters and adjust manually the dimmer and strobe values.

01) Press the **UP/DOWN** buttons to select one of the following 2 options:

```
─────Fixture Test─────
Auto Test
Manual Defined
```
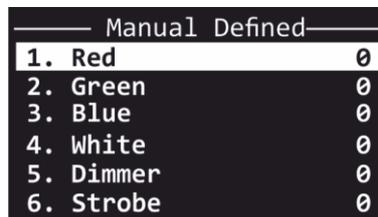
- Auto Test: The device performs an auto test of its parameters.
- Manually Defined: See **5.1 Manually Defined** for more information

02) Press the **ENTER** button to confirm your choice.

5.1 Manually Defined

In this submenu you can manually adjust the dimmer and strobe values.

01) Press the **UP/DOWN** buttons to toggle between Red, Green, Blue, White, Dimmer and Strobe:

```
─── Manual Defined───
1. Red              0
2. Green            0
3. Blue             0
4. White            0
5. Dimmer           0
6. Strobe           0
```

02) Press the **ENTER button** to confirm your selection and open the respective pop-up submenus where you can adjust the values.

03) Press the **UP/DOWN buttons** to adjust the values. The adjustment range is between 0 and 255.

04) Press the **ENTER button** to confirm your choice.

6. Fixture Information

In this menu you can view the LED operating hours and the firmware version of the device.

01) Press the **UP/DOWN** buttons to select one of the following 2 options:

```
── Fixture Information──
Fixture Hour        0
Firmware Version
```
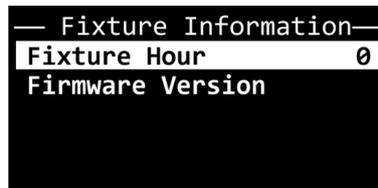
- Fixture Hour: Provides information about the total hours of operation of the LEDs
- Firmware Version: Shows the current firmware version

02) Press the **ENTER** button to confirm the selection and view the information.

DMX Channels

4 DMX Channels

Channel 1 – Red

0–255	Gradual adjustment Red from 0 – 100%

Channel 2 – Green

0–255	Gradual adjustment Green from 0 – 100%

Channel 3 – Blue

0–255	Gradual adjustment Blue from 0 – 100%

Channel 4 – White

0–255	Gradual adjustment White from 0 – 100%

7 DMX Channels

Channel 1 – Red ⚠ CH6 must be open and CH7 must be set between 20-255 ⚠

0–255	Gradual adjustment Red from 0 – 100%

Channel 2 – Green ⚠ CH6 must be open and CH7 must be set between 20-255 ⚠

0–255	Gradual adjustment Green from 0 – 100%

Channel 3 – Blue ⚠ CH6 must be open and CH7 must be set between 20-255 ⚠

0–255	Gradual adjustment Blue from 0 – 100%

Channel 4 – White ⚠ CH6 must be open and CH7 must be set between 20-255 ⚠

0–255	Gradual adjustment White from 0 – 100%

Channel 5 – Color Temp ⚠ CH6 must be open and CH7 must be set between 20-255 ⚠

0–255	Color Temp from 2800 to 7200K

Channel 6 – Dimmer ⚠ CH1, 2, 3 or 4 must be open and CH7 must be set between 20-255 ⚠

0–255	Dimmer fine intensity, from dark to brightest 0-100%

Channel 7 – Shutter/Strobe ⚠ CH1, 2, 3, 4 or 5 must be open and CH6 must be open ⚠

0–19	Closed
20–24	Open
25–64	Strobe frequency, from fast to slow
65–69	Open
70–84	Fast close to slow open, from fast to slow
85–89	Open
90–104	Slow close to fast open, from fast to slow
105–109	Open
110–124	Random strobe, from fast to slow
125–129	Open
130–144	Random Strobe Fast close to slow open, from fast to slow
145–149	Open
150–164	Random Strobe Slow close to fast open, from fast to slow
165–169	Open
170–184	Burst Pulse, from fast to slow
185–189	Open
190–204	Random Burst Pulse, from fast to slow

205–209	Open
210–224	Slow close to slow open, from fast to slow
225–229	Open
230–244	Burst little, from fast to slow
245–255	Open

11 DMX Channels

Channel 1 – Red ⚠ CH7 must be open and CH9 must be set between 20-255 ⚠

0–255	Gradual adjustment Red from 0 – 100%

Channel 2 – Green ⚠ CH7 must be open and CH9 must be set between 20-255 ⚠

0–255	Gradual adjustment Green from 0 – 100%

Channel 3 – Blue ⚠ CH7 must be open and CH9 must be set between 20-255 ⚠

0–255	Gradual adjustment Blue from 0 – 100%

Channel 4 – White ⚠ CH7 must be open and CH9 must be set between 20-255 ⚠

0–255	Gradual adjustment White from 0 – 100%

Channel 5 – Color Macro ⚠ CH7 must be open and CH9 must be set between 20-255 ⚠

0	No Function
1-4	Color 1
5-8	Color 2
9-12	Color 3
•	•	•
•	•	•
•	•	•
245-248	Color 62
249-252	Color 63
253-255	Color 64
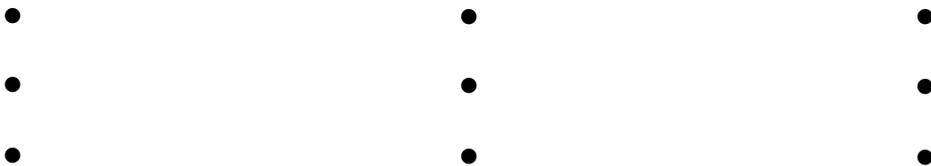
Channel 6 – Color Temp ⚠ CH7 must be open and CH9 must be set between 20-255 ⚠

0–6	Color Temp from 2800 to 7200K
7–255	Color Temp from 2800 to 7200K

Channel 7 – Dimmer ⚠ CH1, 2, 3, 4, 5 or 6 must be open and CH7 must be set between 20-255 ⚠

0–255	Dimmer fine intensity, from dark to brightest 0-100%

Channel 8 – Dimmer Fine ⚠ CH1, 2, 3, 4, 5 or 6 must be open and CH7 must be set between 20-255 ⚠

0-255	Dimmer fine intensity, from dark to brightest 0-100%

Channel 9 – Strobe ⚠ CH1, 2, 3, 4, 5 or 6 must be open and CH7 must be open ⚠

0–19	Closed
20–24	Open
25–64	Strobe frequency, from fast to slow
65–69	Open
70–84	Fast close to slow open, from fast to slow
85–89	Open
90–104	Slow close to fast open, from fast to slow

105–109	Open
110–124	Random strobe, from fast to slow
125–129	Open
130–144	Random Strobe Fast close to slow open, from fast to slow
145–149	Open
150–164	Random Strobe Slow close to fast open, from fast to slow
165–169	Open
170–184	Burst Pulse, from fast to slow
185–189	Open
190–204	Random Burst Pulse, from fast to slow
205–209	Open
210–224	Slow close to slow open, from fast to slow
225–229	Open
230–244	Burst little, from fast to slow
245–255	Open

Channel 10 – Built-in Programs ⚠ CH7 must be open and CH9 must be set between 20-255 ⚠

0–3	No function
4–127	Color 1 – Color 32
128–191	Color Switch 1 – 16
192–255	Color Fade 1 -16

Channel 11 – Program Speed ⚠ CH10 must be set between 128-255 ⚠

0–255	From slow to fast (Color Switch & Color Fade)

Maintenance

The operator has to make sure that safety-related and machine-technical installations are to be inspected by an expert after every year in the course of an acceptance test.

The following points have to be considered during the inspection:
01) All screws used for installing the device or parts of the device have to be tightly connected and must not be corroded.
02) There may not be any deformations on housings, fixations and installation spots.
03) Mechanically moving parts like axles, eyes and others may not show any traces of wearing.
04) The electric power supply cables must not show any damages or material fatigue.

The ACT Flood 80 RGBW requires almost no maintenance. However, you should keep the unit clean. Otherwise, the fixture's light output will be significantly reduced. Disconnect the mains power supply and then wipe the cover with a damp cloth. Do not immerse in liquid. Wipe lens clean with glass cleaner and a soft cloth. Do not use alcohol or solvents.
The front lens will require weekly cleaning, as smoke fluid tends to build up residues, reducing the light output very quickly.
Keep connections clean. Disconnect electric power, and then wipe the DMX connections with a damp cloth. Make sure connections are thoroughly dry before linking equipment or supplying electric power.

Replacing the Fuse

Power surges, short-circuit or inappropriate electrical power supply may cause a fuse to burn out. If the fuse burns out, the product will not function whatsoever. If this happens, follow the directions below:
01) Unplug the unit from electric power source.
02) Insert a screwdriver into the slot of the fuse cover. Turn the fuse holder counterclockwise. The fuse holder will come out.
03) Remove the used fuse. If brown or unclear, it is burned out.
04) Insert the replacement fuse into the holder where the old fuse was. Reinsert the fuse cover. Be sure to use a fuse of the same type and specification. See the product specification label for details.

Troubleshooting

This troubleshooting guide is meant to help solve simple problems.
If a problem occurs, carry out the steps below in sequence until a solution is found. Once the unit operates properly, do not carry out following steps.

No Light

If the light effect does not operate properly, refer servicing to a technician.
Suspect three potential problem areas as: the power supply, the LED, the fuse.
01) Power supply. Check if the unit is plugged into an appropriate power supply.
02) The LED. Return the device to your Showtec dealer.
03) The fuse. Replace the fuse. See page 23 for replacing the fuse.
04) If all of the above appears to be O.K., plug the unit in again.
05) If you are unable to determine the cause of the problem, do not open the device, as this may damage the unit and the warranty will become void.
06) Return the device to your Showtec dealer.

No Response to DMX

Suspect the DMX cable or connectors, a controller malfunction, a light effect DMX card malfunction.
01) Check the DMX settings. Make sure that DMX addresses are correct.
02) Check the DMX cable: Unplug the unit; change the DMX cable; then reconnect to electrical power. Try your DMX control again.
03) Determine whether the controller or light effect is at fault. Does the controller operate properly with other DMX products? If not, take the controller in for repair. If so, take the DMX cable and the light effect to a qualified technician.

Problem	Probable cause(s)	Solution
One or more fixtures do not function at all	No power to the fixture	• Check if power is switched on and cables are plugged in
	Primary fuse blown	• Replace fuse
Fixtures reset correctly, but all respond erratically or not at all to the controller	The controller is not connected	• Connect controller
	3-pin DMX OUT of the controller does not match DMX IN of the first fixture on the link (i.e. signal is reversed)	• Install a phase reversing cable between the controller and the first fixture on the link
Fixtures reset correctly, but some respond erratically or not at all to the controller	Poor data quality	• Check data quality. If much lower than 100 percent, the problem may be a bad data link connection, poor quality or broken cables, missing termination plug, or a defective fixture disturbing the link
	Bad data link connection	• Inspect connections and cables. Correct poor connections. Repair or replace damaged cables
	Data link not terminated with 120 Ohm termination plug	• Insert termination plug in the DMX OUT connector of the last fixture on the link
	Incorrect addressing of the fixtures	• Check address settings
	One of the fixtures is defective and disturbs data transmission on the link	• Bypass one fixture at a time until normal operation is restored: unplug both connectors and connect them directly together • Have the defective fixture serviced by a qualified technician
	3-pin DMX OUT on the fixtures does not match (pins 2 and 3 reversed)	• Install a phase-reversing cable between the fixtures or swap pin 2 and 3 in the fixture that behaves erratically
No light or LEDs cut out intermittently	Fixture is too hot	• Allow the fixture to cool down • Turn up the air conditioning
	LEDs are damaged	• Disconnect the fixture and return it to your dealer
	The power supply settings do not match local AC voltage and frequency	• Disconnect fixture. Check settings and correct if necessary

Show tec®

Product Specifications

Model:	Showtec ACT Flood 80 RGBW
Input voltage:	100–240 V AC, 50/60 Hz
Power consumption:	85W
Fuse:	T2 AL/250 V AC
Dimensions:	422 x 285 x 373 mm (L x W x H)
Weight:	4,14 kg (without barndoor), 5,45 kg (with barndoor)
Operating and Programming:	
Signal pin OUT:	Pin 1 (earth), pin 2 (-), pin 3 (+)
DMX Channelsmode:	4, 7, 11
Signal input:	3-pin DMX signal connector IN
Signal output:	3-pin DMX signal connector OUT
Electro-mechanical properties:	
Light source:	1 x 80 W RGBW Quad LED
Dimmer:	0–100 %
Strobe effect:	Yes
Beam angle:	95°–105°
Output:	1540 lx @ 2 m
Color temperature:	2800K to 10000K
Housing:	Extruded aluminum
Color:	Black
Display:	OLED
DMX-control:	Via standard DMX-controller
Control:	DMX, Manual
Connections:	Pro-power connectors IN/OUT, 3-pin DMX signal connectors IN/OUT
IP Rating:	IP20
Cooling:	Internal fan
Pre-set color & temperature control	
Max. ambient temperature t_a:	40°C
Max. housing temperature t_B:	70°C
Minimum distance:	
Minimum distance from flammable surfaces:	0,5 m
Minimum distance to lighted object:	1 m

Design and product specifications are subject to change without prior notice.

$C\mkern-12mu\in$

Website: www.Showtec.info
Email: service@highlite.com

Show tec®

Dimensions

422 mm

373 mm

285 mm

Show tec®