

SUNRISER 2+

Small. Simple. Functional.



✓ **SmartControl**

The LEDs are never controlled at maximum voltage, thus ensuring an optimum service life.

✓ **SunRiser algorithm**

The dimming function is based on a unique algorithm that produces an absolutely gentle and smooth dimming curve - unique to all our SunRiser light control systems!

✓ **Maintenance function**

A simple press of a button sets the brightness to 0%, 100% or back to the programmed setting for any time you wish to work on the aquarium.

Description

Characteristics:

- Simplicity itself to program without a PC etc. The settings are made directly on the device.
- **2** separate and individually programmable channels
- Compatible with all our LED bars
- **SmartControl** - for the optimum service life of your LEDs
- **SunRiser algorithm** - for an absolutely gentle and smooth dimming curve

Functions / settings:

- Time for switching on/off
- Sunrise/-set, moonrise/-set
- Dimming phase duration freely selectable
- Maximum brightness freely selectable
- Maintenance function

Example of a full range of settings:

Channel 1: Sunrise and sunset, e.g. SUNSET

Channel 2: Main lighting, e.g. TROPIC or DAY

or

Channel 1: Main lighting with sunset

Channel 2: Moonlight: e.g. with ROYAL BLUE

Technical data:

- Suitable for maximum 60W (5A/12V) output per channel
Total output channels 1+2 maximum 120W (10A/12V).
A double use per channel is possible under consideration of the maximum connected load in total and per channel. Not compatible with an LED splitter.
- Dimensions LxWxH: 120x70x25mm



The device must not be placed on or inside the placed on or inside the aquarium cover!

Setting

1. The current time needs to be set when switching the SunRiser 2+ on for the first time:
First set the hour value using the ▲▼ buttons and confirm with **OK**. Then set the minute value in the same way using the ▲▼ buttons and confirm with **OK**.

2. Set the switching times, dimming duration and maximum brightness for the connected LEDs (at LED#1 and LED#2):

Start Setup by pressing ▲ or ▼.

Select LED#1 using the ▲▼ buttons and confirm with **OK**.

- **AN/ON LED1 is the switch-on time** for LED#1, set with ▲▼ and confirm with **OK**.
- **Aus/Off LED1 is the switch-off time** for LED#1, set with ▲▼ and confirm with **OK**.
- **Dimzeit1/Dimtime1 is the dimming duration** in minutes for the sunrise and sunset. The maximum peak value resulting from the ON and OFF times is displayed on the right. Set using ▲▼q and confirm with **OK**.
- **Max LED1 is the maximum brightness value** (10-100%), set with ▲▼ and confirm with **OK**.

And that's it done. The simulation for LED#1 is now running.

3. To make the settings for channel LED#2, start Setup again and set the appropriate values for LED#2, see 2.

4. The maintenance function, button ✕

1. Press: all LEDs are switched off 0%
2. Press: all LEDs are switched on 100%
3. Press: the simulation continues.

5. To return the device to the factory settings, press button ✕ for approximately 5 seconds.

Lighting routine

