

# FIRMWARE UPDATE INSTRUCTION + UPDATE HISTORY

To assure the best possible performance of your equipment we carry out regular software updates to correct possible errors and/or adding new features. Therefore we advise you to always install the latest updates. **READ THE INTRUCTIONS + UPDATE HISTORY CAREFULLY!**

## BT-SUNRAY 130R

The attached firmware should be programmed using the special "FIRMWARE UPDATER2+" unit from our Briteq® brand. (order code: B05019) Update instructions are included with the firmware updater.

### UPDATE HISTORY

#### V1.02 (2019-06-24)

Original firmware as used in batch1.

#### V1.03 (2020-12-10)

We advise to install this update as it brings improvements / solutions for some known issues.

- **Improved Red-shift dimming:** even more realistic algorithm for almost perfect halogen dimming experience!
- **Two DMX-modes added:** we had several demands for a **separate dimmer speed channel** to further improve the flexibility to control the BT-SUNRAY 130R. So here it is, see attached DMX-charts!

#### V1.04 (2021-10-19)

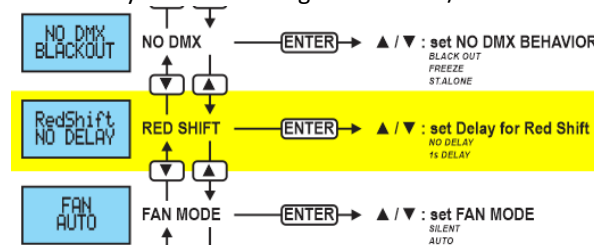
We advise to install this update as it brings improvements / solutions for some known issues.

- **Two new DMX-modes improved:** we have further improved the new DMX-mode from V1.03 by **adding an extra DIM MASTER**. This improvement makes it easier to program the projector on Chamsys controllers. See attached DMX-charts for the improvements or download the updated V1.2 user manual from the product page.

#### V1.05 (2021-12-16)

We advise to install this update as it brings improvements / solutions for some known issues.

- **ADDED: RedShift menu option:** to allow 1second delay or NO delay while switching Red Shift on/off:
  - **NO Delay:** Allows the redshift function to be turned on/off very quickly using the control channel.
  - **1s Delay:** Allows a traditional fader controller to turn the redshift function on/off using the control channel.
- **BUGFIX:** The projectors do not transmit DMX signals when operating in standalone mode. This avoids DMX collisions when the projectors are operating in standalone mode while the DMX in/outputs are interconnected.



#### V1.06 (2022-08-18)

**IMPORTANT:** This is **update is NOT NEEDED** if your machine currently runs on V1.05 firmware.

- This is an update to make sure that two different processor brands can be used during manufacturing, to overcome the current global shortage of electronic components.

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