EB MAX 1.8

MAX Technology – Max Performance

Main Features

- Automatic or manual control of lamp frequency

Starting with the EB MAX 1.8 in 2017 ARRI built the foundation for a whole new range of high speed electronic ballasts – the EB MAX range. Together with three other models – EB MAX 2.5/4, EB MAX 6/9 and EB MAX 12/18 – the MAX range combines cutting-edge features with new remote control possibilities from 575 up to 18,000 W.

Despite its compact housing, the EB MAX 1.8 covers four different power classes: 575 W, 800 W, 1,200 W and 1,800 W. When combined with state-of-the-art ARRI daylight lampheads such as the True Blue D5 and D12, or M-Series M8 and M18, it enables optimal performance and advanced control for high image quality – at any frame rate.

The EB MAX 1.8 is equipped with essential features such as Active Line Filter (ALF) and Compensation of Cable Losses (CCL), delivering maximum light quality with efficient supply and wiring. The AutoScan feature ensures optimum light and image quality with a minimum of effort for high-speed recordings up to 1,000 fps and beyond.

Besides lamp operation at 50 or 60 Hz, if noise needs to be minimized, or at 75 Hz for standard frame rates, the EB MAX range accommodates high-speed frequencies at 1,000 Hz and – for the first time – at 300 Hz.

Three different modes are available for high-speed operation: AutoScan (fully automatic), Man (manual frequency control) or AutoMan (combining manual frequency setting with automatic frequency control). Using the AutoScan mode requires no further interaction by an operator. After a two-stage scan the lamp frequency is selected and set by the ballast; all parameters are continuously monitored and adjusted automatically, if required.

The EB MAX 1.8 as well as the other models of the EB MAX range offer new levels of DMX control. In addition to On/Off and dimming, both operation mode and frequency can now be controlled remotely. For ultimate ease of use, indicators on the ballast's front and back panel display the lamp wattage, DMX channel, operation mode and selected lamp frequency.

For Daylight-Systems ARRI offers an extended warranty period of five years.

5 YEAR
warranty for new daylight systems (head + ballast)

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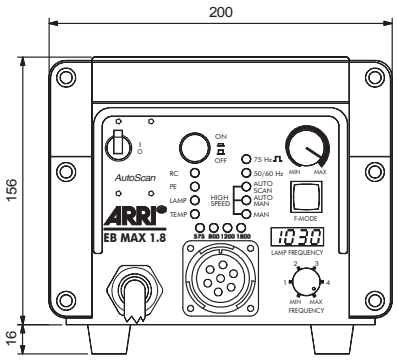
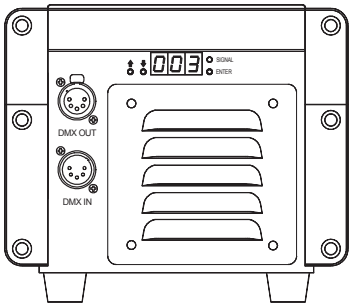
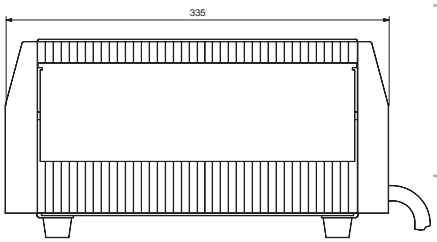
Technical Specifications

EB MAX 1.8







L2.0014190	EB MAX 1.8, ALF, CCL, DMX, AutoScan (300 / 1,000 Hz)
L2.0014189	EB MAX 1.8, ALF, CCL, DMX, AutoScan (300 / 1,000 Hz) (US)
L2.0017028	EB MAX 1.8, ALF, CCL, DMX, AutoScan (300 / 1,000 Hz), Schaltbau
Ballast Type	Electronic High Speed Ballast for discharge lamps
Lamphead Types	ARRI M-Series M8 and M18, ARRI True Blue D5 and D12
Weight	approx. 8 kg (17.6 lbs)
Dimension	156 x 200 x 335 mm / 6.1 x 7.9 x 13.2" (H x W x L)
Line Connection	bare ends
Lamp Power	575 W; 800 W; 1,200 W and 1,800 W, discharge lamps only
Line Voltage	90 - 130 V~ / 180 - 250 V~, 50/60 Hz, 1, N, PE (single phase)
Line Current	25 - 20 A (115 V~) 13 - 10 A (230 V~)
Max. Power	2,600 VA (max.)
Power factor (cos φ)	cos φ 0.98 due to Active Line Filter (ALF)
Efficiency	min. 0.88
Protection Class / IP Rating	I / IP21
Temperature	50°C (122°F) for max. ambient temperature
Active Line Filter (ALF)	√
Compensation of Cable Losses (CCL)	Up to 50 m (120 V~; L2.0014189), up to 80 m (120 V~; L2.0014190) Up to 100 m (230 V~)
DMX	512, In and Out, 3 channels Dimming 100 % to 50 % of electrical output power On/Off Switch Mode Selection (Low Noise, Standard, AutoScan, AutoMan, Manual) Frequency setting (High Speed only)
DMX Connector	DMX In / Out (XLR 5-pol) connector
Ignition	Cold start and hot restrike
Automatic Detection	Lamp wattage detection Lamphead detection
Lamp Frequencies	50/60 Hz (Low Noise) 75 Hz (Standard) 300 Hz / 1,000 Hz (High Speed)
High Speed Modes	AutoScan: Frequency scan, automatic control and adjustment of lamp frequency AutoMan: Manual frequency setting with automatic control and adjustment of lamp frequency Man: Manual frequency setting only, no automatic adjustment
High Speed Frequency Ranges	300 Hz : 270 -360 Hz 1,000 Hz : 900 -1,200 Hz
Indication	Display for DMX channel (backside) and lamp frequency Remote operation with LED „RC" (green) Successful ignition with LED „LAMP" (yellow) Overtemperature with LED „TEMP" (red) Protective earth with LED „PE" (green) Lamp type with LED (575/1200 W green, 800/1800 W yellow)

All values are nominal / typical values.

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