

High Speed Ballast EB 2.5/4 HS AutoScan

Main Features

- High speed operation of 2,500 and 4,000 W daylight lamps
- Suitable for high frame rate images
- Automatic control of lamp frequency
- Supports 50 and 60 Hz low noise operation
- Active Line Filter (ALF)
- Compensation of Cable Losses (CCL)
- DMX control for dimming and On/Off

Ready – Set – Go

Starting with the EB 12/18 HS AutoScan ballast, allowing 12 kW and 18 kW discharge lamps to be used at lamp frequencies of 900 to 1,200 Hz, ARRI introduced its next generation of electronic ballasts equipped with a new AutoScan feature. AutoScan ensures optimum light and image quality with a minimum of effort for high-speed recording up to 1,000 fps and beyond. The smaller EB 6/9 HS AutoScan ballast offers AutoScan mode in the 9 kW class.

The latest member of this new ballast generation is the EB 2.5/4 HS AutoScan, designed for the 2.5 kW and 4 kW power classes. When combined with the popular M-Series M40 lamphead, the EB 2.5/4 HS AutoScan ballast enables a faster and simpler way of working on set – at any frame rate.

For high-speed operation three different modes are available: 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.

In addition the lamp can be operated at 50 or 60 Hz if noise needs to be minimized, or at 75 Hz for standard frame rates.

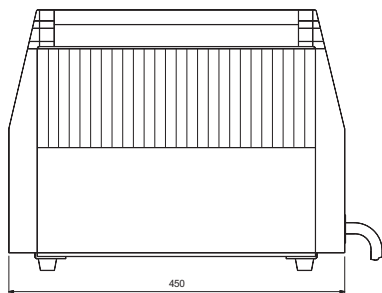
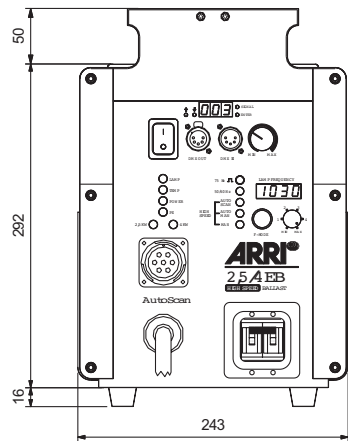
The new EB 2.5/4 HS AutoScan includes key features such as Active Line Filter (ALF) and Compensation for Cable Losses (CCL), delivering maximum light quality with efficient supply and wiring. The ballast can be switched on and off remotely, and the dimming level set, via DMX control.

For maximum ease of use, indicators on the ballast's front panel display the lamp wattage, DMX channel, operation mode and selected lamp frequency.



Technical Specifications

EB 2.5/4



L2.76655KH	EB 2.5/4 HS, ALF, 120/230 V, DMX, CCL, Autoscan 900 to 1,200 Hz
Ballast Type	Electronic Ballast
	Electronic High Speed Ballast for 2.500 W and 4.000 W discharge lamps
Lamphead Types	M-Series M40, AS 40, True Blue D 40 and D 25, ARRI Compact 2500 and 4000 Theatre
Weight	approx. 20.5 kg (45.2 lbs)
Dimension	358 x 243 x 450 mm (14 x 9.6 x 17.7 inch) (HxWxL)
Lamp Power	4.000 W or 2.500 W Discharge Lamps only
Line Voltage	90 - 130 / 190 - 250 V ~ 50/60 Hz; 1, N, PE (single phase)
Line Current	120 V: 53 - 42 A 230 V: 30 - 22 A
Max. Power	5430 VA (apparent)
Power factor (cos φ)	cos φ 0.98 due to Active Line Filter
Efficiency	approx. 0.91
Protection Class	I
IP Rating	IP22
Temperature	50°C (122°F) for max. ambient temperature
Active Line Filter (ALF)	√
Compensation of cable losses	√ up to 100 m
DMX	512, In and Out, dimming 100% to 50% output power, switch On/Off
DMX Connector	DMX In / Out (XLR 5-pol) connector
Ignition	Cold start and hot restrike
Automatic Lamp Detection	Indication of detected lamp type with LED (2.5 kW green, 4 kW yellow)
Lamp Frequency	50/60 Hz (Low Noise), 75 Hz (Flicker Free), 900 to 1200 Hz (High Speed)
High Speed Modes	AutoScan: Frequency scan and automatic control and adjustment of lamp frequency AutoMan: Manual frequency setting with automatic control and adjustment of lamp frequency Manual: Manual frequency setting only, no automatic adjustment
Indication	Display for DMX channel and lamp frequency Successful ignition LED „LAMP“ (yellow) Overtemperature with LED „TEMP“ (red) Line power with LED „POWER“ (green) Protective earth with LED „PE“ (green) Lamp type with LED (2.5 kW green, 4 kW yellow)