

High Speed Ballast EB 6/9 HS AutoScan

Main Features

- High Speed operation of 9,000 W daylight lamps
- Suitable for high frame rate images
- Automatic or manual control of lamp frequency
- Supports 50 or 60 Hz (Low Noise)
- Active Line Filter (ALF)
- Compensation of Cable Losses (CCL)
- DMX control for dimming and On/Off

Update for the 9,000 W daylight system

With the introduction and rapid industry take-up of ARRI's M90 M-Series lamphead, the 9,000 W power class became the new standard for high-powered daylight fixtures. The EB 6/9 electronic ballast from ARRI is now widely regarded as a crucial component of reliable and powerful daylight systems for modern location filming. Its compact size, in conjunction with outstanding features such as automatic compensation for cable losses, has made it the first choice for many box office-productions.

At NAB 2015 ARRI introduced the EB 12/18 HS high speed ballast, allowing 12,000 and 18,000 W discharge lamps to be used for high speed recording up to 1,000 fps and beyond. As the first ballast of its kind, the EB 12/18 HS offered a new AutoScan feature that ensures optimum light and image quality with a minimum of effort. Following many customer requests, ARRI is now offering this popular AutoScan mode in the 9,000 W class with its new EB 6/9 HS AutoScan ballast.

Users can select between fully automatic operations (AutoScan) and manual frequency control (Man), or combine manual frequency setting with automatic monitoring and adjustment (AutoMan).

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.

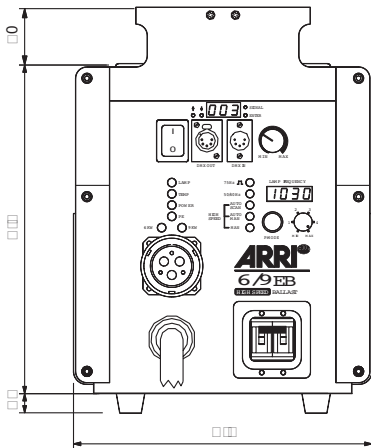
In addition the lamp can be operated at 50 or 60 Hz if noise needs to be minimized, or at 75 Hz for standard frame rates.

In addition, well established features such as Active Line Filter (ALF) and Compensation of Cable Losses (CCL) are included, as well as DMX control. For maximum ease of use, the indicators on the ballast's front panel display the lamp wattage, DMX channel, operation mode and the selected lamp frequency.



Technical Specifications

EB 6/9



L2.76185KH	EB 6/9 HS AutoScan, 180-250V , ALF, CCL, DMX, Autoscan 900 to 1,200 Hz
Ballast Type	Electronic Ballast
	Electronic High Speed Ballast for 6,000 W and 9,000 W discharge lamps
Lamphead Types	ARRI M-Series M90
Weight	approx. 28 kg (62 lbs)
Dimension	358 x 263 x 450 mm (14.1 x 10.4 x 17.7 inch) (H x W x L)
Lamp Power	9,000 W or 6,000 W discharge lamps only
Line Voltage	180-250 V~, 50/60 Hz, 1,N, PE (single phase)
Line Current	56 - 44 A (eff)
Max. Power	11200 VA (max.)
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 80 m (250 ft)
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 (6 kW green, 9 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 (12 kW green, 18 kW yellow)