

LSS



MasterGate

The LSS MasterGate is a gateway, converter, and server for data in lighting networks in theater, studio, and event venues. It's the connection between Ethernet, DMX, and Profibus-DP within a data network. The MasterGate can route, merge, or convert data from, in, and within these network protocols. It can not only process the usual protocols of a light network, but also those of the Nexus system by Salzbrenner StageteC®.

For comprehensive device configuration and monitoring, the MasterGate supports Remote Device Management (RDM). Also, the data streams within the light network can be monitored in real-time and shown on the display. Verify functions can be activated to monitor individual events.

In the LSS MasterGate, up to 32 lighting scenes can be stored in a register memory and also recalled. Individual fade-in and fade-out times can be set for lighting scenes. In conjunction with a digital slave console, a PLC or another control option, working lights, blue lights, rehearsal lights and even lighting scenes for spectator areas in a secondary system can be set and recalled.

The LSS MasterGate is equipped with 8 independent DMX connections that can be defined both as DMX inputs and DMX outputs. Two connections are equipped with DMX-Thru and switchable connection termination. It also has Ethernet and Profibus DP connections as well as a connection for an external serial bus, which can be used for remote control of the register memory (in preparation).

Technical Specifications:

DMX connectors	<p>Optionally</p> <ul style="list-style-type: none"> • 8x RJ45 + 2x RJ45 DMX-THRU (electric potential isolated) or • 8x XLR + 2x XLR DMX-THRU (5pin, electric potential isolated) <p>Ports can be defined individually as inputs or outputs in the configuration. The ports are always electrically isolated by optocouplers.</p>
Ethernet	10/100 Base-T (IEEE 802.3u, 802.3x) / RJ45 Auto negotiation
Profibus-DP	Profibus-DP (EN 50170), 9pin Sub-D, electric potential isolated
LSS bus	<p>1x post connector with 10-pin lock</p> <p>Optionally expanded depending on the project</p> <p>RS-485, potential separation through optocoupler</p> <p>Protocol: Modbus-RTU (in preparation)</p>
Configuration	<p>Local: with turn / push encoder and display</p> <p>Remote: via LSS ConfigStudio</p>
Display	Full graphic display 240x128 with white LED backlight and internal temperature compensation
Power supply	100 – 240 V AC one-phase / 50 to 60 Hz / Power input 20 W Connector (IEC-60320 C14)
Power consumption	15 W (typical)
Power loss	15 W
RoHS	Approval
Design	19" racks system 2U
Dimensions (W x H x D)	483 x 89 x 180 mm
Weight	2000 g
Order number	<p>RJ45: 5501</p> <p>XLR: 5511</p>