

Figure 1: Power bridge PSU V2261

Description

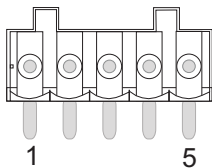
The power bridge PSU V2261 is a component of the Atlas Sound VARIZONE digital speaker system (DSS) bus. The V2261 is used to refresh the power on the DSS bus and serves to extend the length of the DSS bus. DSS bus power refreshes must be carried out when the supply voltage on the DSS bus is lower than 30V. A voltage reduction on the DSS bus is caused by long cables and the installation of many modules on the DSS bus. The power bridge PSU V2261 is installed and operated via a docking station model V2264.

Features

- Easy installation and exchange via a docking station
- 100W output power (48V)
- PSU status indication

Specifications

Connectors	Built-in pin header 5-pin, WAGO, type MIDI for the connection of the V2261 to the docking station V2264
Input AC voltage range	264V max., 90V min.
Input AC voltage frequency	63Hz max., 47Hz min.
Input current	1.5A max., 0.6 A min. @ max. output power
Output DC voltage	48V typ.
Output power	100W typ.
Ambient temperature limits	(32° F) min., (122° F) max. for the operation of the device
Meantime between failure (MTBF)	81k hours typ. @ (122° F) ambient temperature, calculated on the basis of the data sheet values of the components or according to MIL 217F
Dimensions	Depth: 137mm / 5.4" Height: 41.2mm / 1.62" Width: 132.1mm / 5.2"
Weight	1.54 lbs. (700 grams) typical



Pin Configuration

WAGO pin header 5-pin, male for the connection of the power bridge PSU to the docking station

Pin	Signal
1	N
2	L
3	PE
4	GND
5	+48V

Technology by KLOTZ DIGITAL

Specifications subject to change without notice



1601 JACK MCKAY BLVD. / ENNIS, TEXAS 75119 U.S.A.  
TELEPHONE: (800) 876-3333 / FAX (800) 765-3435

AtlasSound.com

## Architect & Engineering Specs

The specified DSS bus power bridge PSU shall be the Atlas Sound VARIZONE model V2261. Unit shall be capable of refreshing voltage on the Varizone bus to ensure power quality for cable lengths up to 660' (200M). Unit shall require optional single docking station model V2264 for interfacing to high voltage mains. Connection to docking station shall be via male WAGE style 5-pin connector. Input voltage range shall be 264VAC maximum and 90VAC minimum. Output power shall be 100 Watts @ 48VDC

Front view

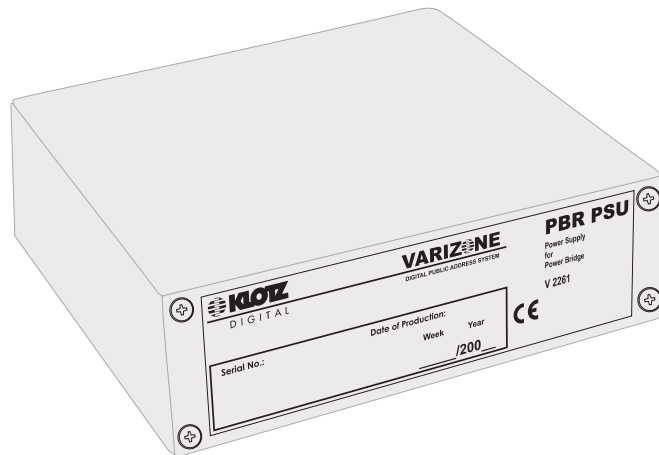


Figure 2: Power bridge PSU, front view

Rear view

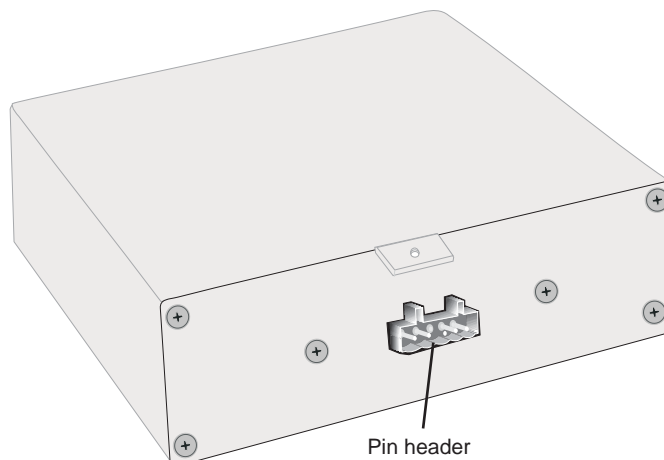


Figure 3: Power bridge PSU, rear view with pin header with mounting plate

Specifications subject to change without notice



1601 JACK MCKAY BLVD. / ENNIS, TEXAS 75119 U.S.A.  
TELEPHONE: (800) 876-3333 / FAX (800) 765-3435

AtlasSound.com