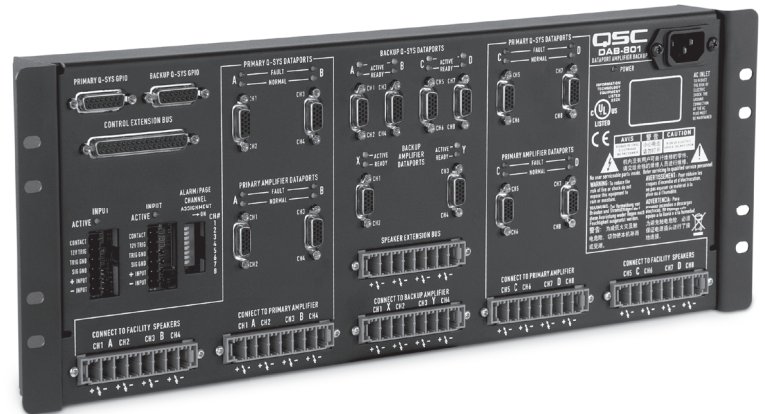


DAB-801

Q-Sys™ Amplifier and I/O Frame Backup Accessory

Features

- One DAB-801 unit can provide N+1 instantaneous 2-channel switchover redundancy for up to 8 amplifier output channels
- Two DAB-801 units can be cascaded to provide 2 or 4-channel switchover redundancy for up to 16 amplifier output channels
- Automatic detection & switchover between inputs from Primary and Backup I/O Frames, in case of failure “upstream”
- Fault tolerant control & monitoring of each DAB-801 is available using simultaneous GPIO terminals connected to both Primary and Backup I/O Frames
- Two additional non-networked analog “high line” level inputs provide emergency evacuation signal which can override all other input signals
- QSC Dataport Connectors and High Current Terminal Blocks for easy & reliable installation
- Q-Sys technical support is available 24/7 - worldwide **24/7**



The purpose of the DataPort Amplifier Backup Panel is to provide redundancy, emergency paging, and other functionality required for many Life-Safety & Evacuation or mission-critical audio systems.

The DAB-801 extends the Q-Sys fault-tolerant backup capability to include any QSC DataPort power amplifier and I/O Frames populated with Q-Sys DataPort cards. The DAB-801 provides the ability to add true N+1 amplifier redundancy to any Q-Sys system, plus the ability to automatically switch amplifier input sources from a primary I/O Frame to a backup I/O Frame.

A single DAB-801 supports four 2-channel primary amplifiers with one 2-channel backup amplifier, or two 4-channel primary amplifiers with one 4-channel backup amplifier. Two DAB-801s can be stacked to provide double the primary amplifier redundancy.

Two D-Sub 15 pin connections allow direct connection to a pair of Q-Sys I/O Frames for full control and monitoring of the DAB-801 through the Q-Sys Designer software. All primary amplifiers are continuously

monitored by Q-Sys along with the power-on status of the backup amplifier. Periodic full tests of the backup system can be programmed to ensure signal integrity and meet regulatory requirements.

Additionally two analog “high line” level inputs allow for direct connection of a carbon-type microphone, or a linelevel pre-recorded message for emergency evacuation paging which can then override all other input signals. A normal low impedance paging microphone may also be connected with the addition of an external microphone preamp.

Using these analog inputs, each DAB-801 has two priority modes, Alarm and Page. The Alarm input overrides all other signals, and is used for major emergencies. The Page input overrides all signals except the Alarm input, and can be used for other announcements. These inputs can be assigned to any combination of amplifier channels, and can be activated with either a standard contact closure or +12VDC trigger voltage from the fire alarm panel.

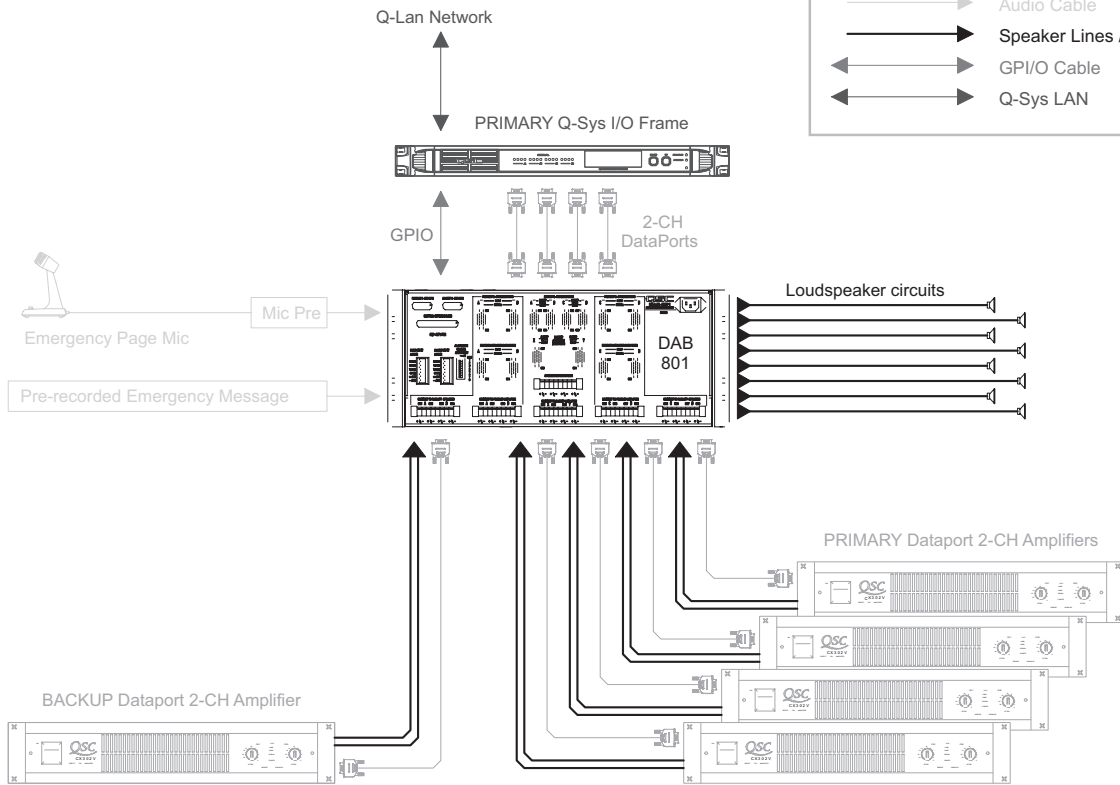
The DAB-801 is easily integrated into a Q-Sys based audio system. Mounted onto the rear of a rack, the DAB-801 minimizes rack space consumption. AC line connection is fast and easy with an IEC style quick-disconnect and locking bracket to ensure reliable AC mains connection. A one world power supply operates on 100-240VAC, 50/60Hz.

By using QSC standard HD-15 DataPort connectors and high current detachable terminal blocks, the DAB-801 provides an easy to install connector set.

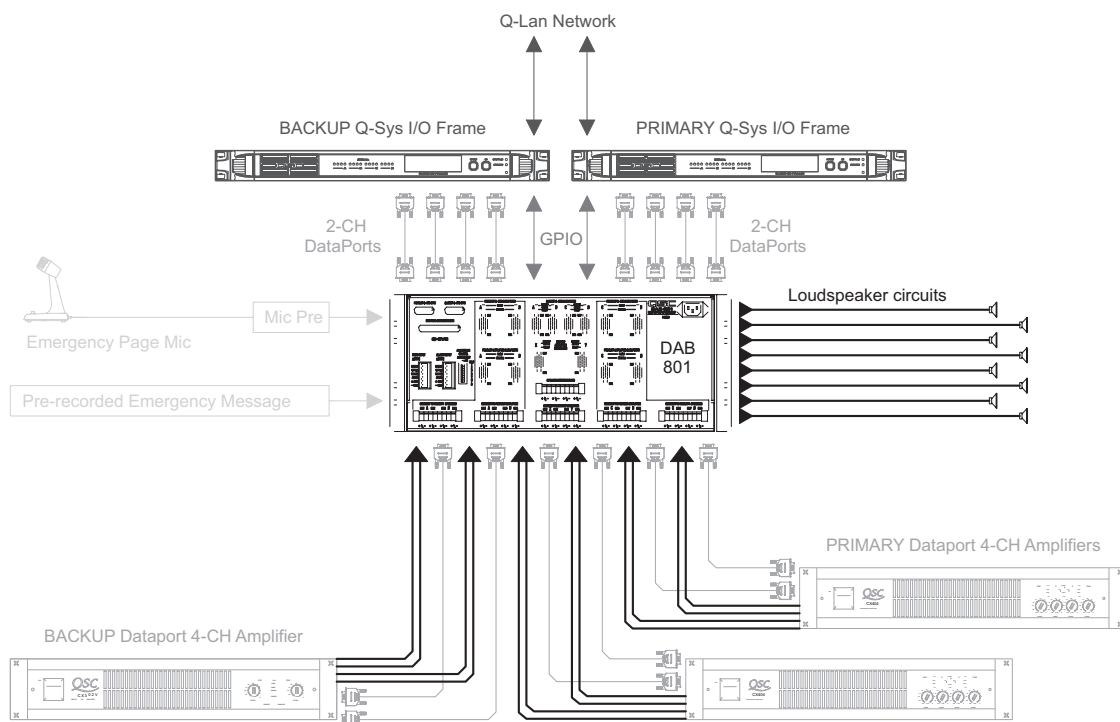
Various LED indicators alert the user to current panel status. The LEDs include an AC power indicator, I/O Frame power status indicators, amplifier power status indicators, I/O Frame failure indicators, and amplifier failure indicators.

Each DAB-801 connects up to eight loudspeaker circuits, which may also be 100V transformer isolated.

Single I/O Frame (pictured here with 2-Channel amplifiers)

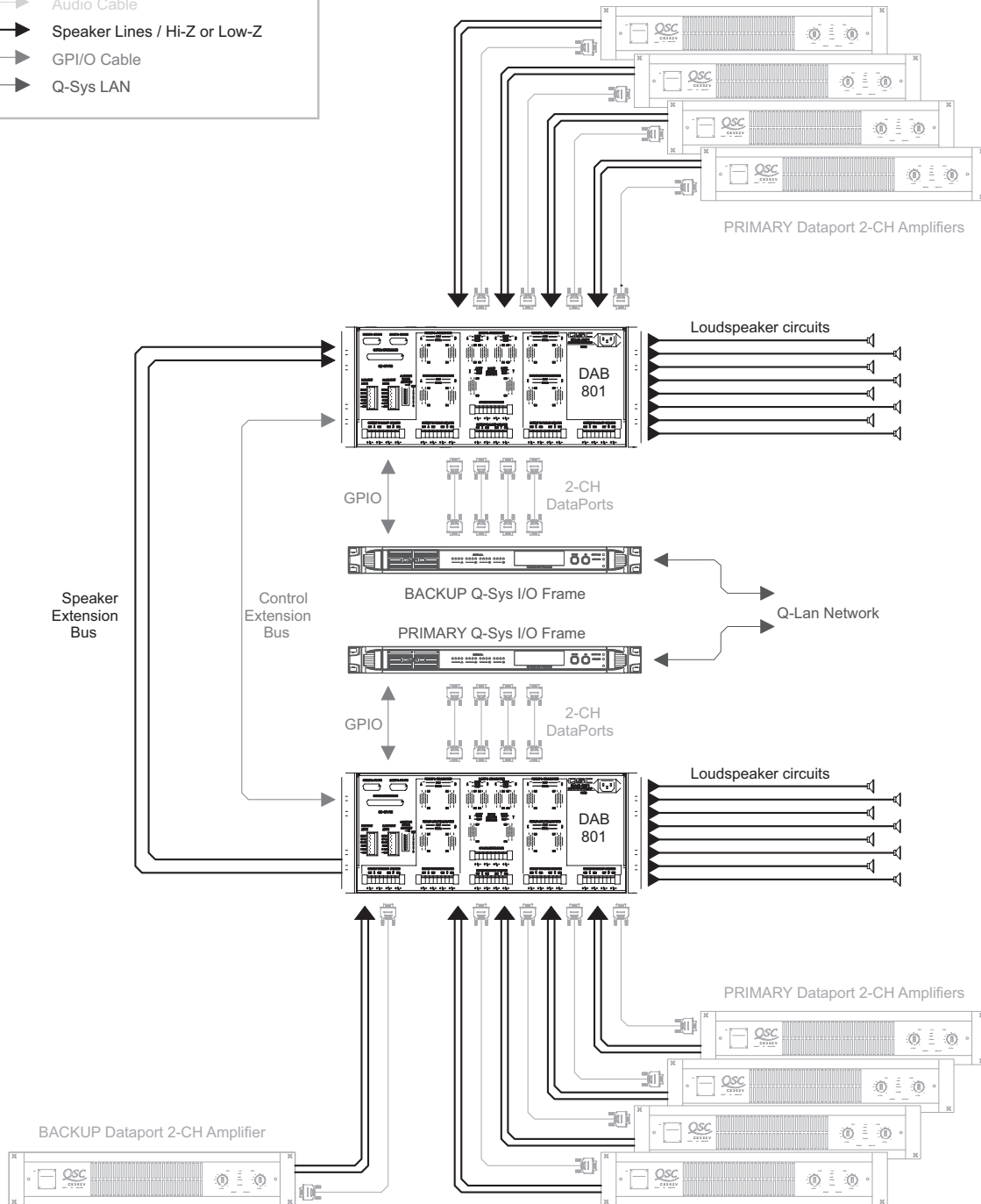
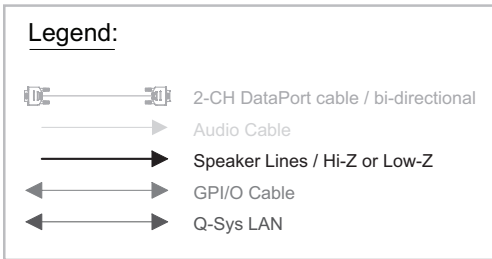


Backup I/O Frame (pictured here with 4-Channel amplifiers)



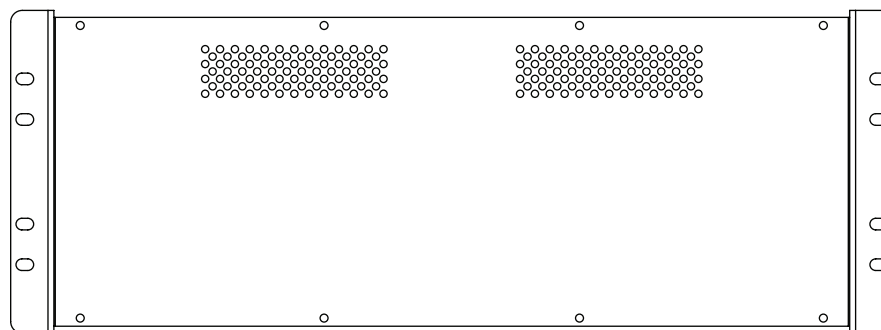
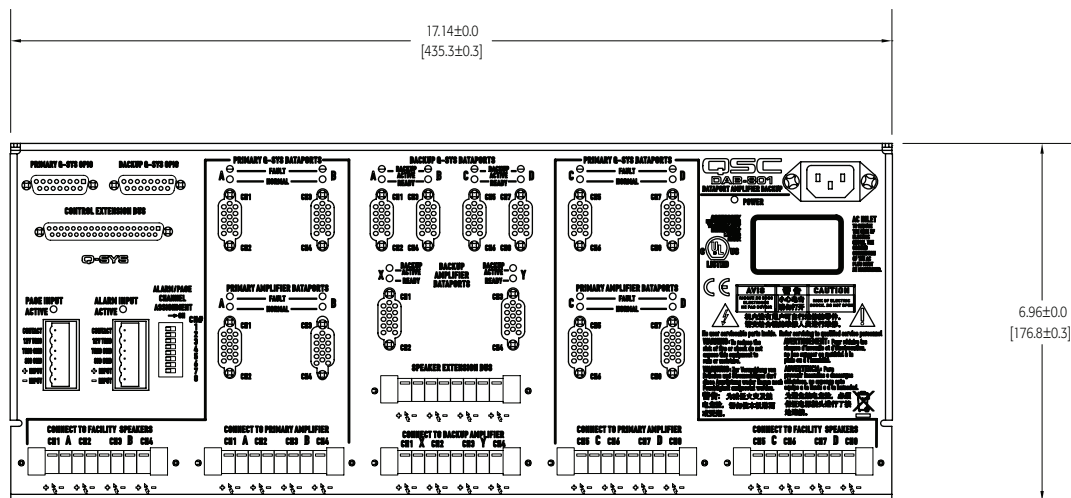
Common DAB-801 Configurations

Two linked DAB-801's using Extension Bus
(pictured here with 2-Channel amplifiers)



DAB-801

Connectors	
Input	6 Position "Euro" or "Phoenix" type, QSC DataPort (HD-15), QSC GPIO (DB-15).
Output	QSC DataPort (HD-15), 8 position high current "Euro" or "Phoenix" type.
Other	Control Extension Bus (DB-37), IEC type AC Inlet.
Controls	Page Assignment: 8 position "dip" type toggle switch
Page/Alarm Inputs	Balanced 5k ohm, 3 Vrms.
LED Indicators	Power (blue, 1 each). NORMAL (green, 8 each, 1 per primary DP). FAULT (red, 8 each, 1 per primary DP). BACKUP ACTIVE (yellow, 6 each, 1 per backup DP)
Maximum Amplifier Ratings	1200 W per channel
Power Requirements	100 – 240 VAC, 50 – 60 Hz, 12 W max.
Operating Temperature (Tma)	0°C – 40°C non condensing
Dimensions (HWD)	7" (17.8 cm) 4 RU x 19" (48.3 cm) rack mounting x 2" (5.1 cm)
Weight (net/shipping)	7.8 lb (3.5 kg) / 10.8 lb (5kg)



SCALE: 1:1

SCALE: 1:1

