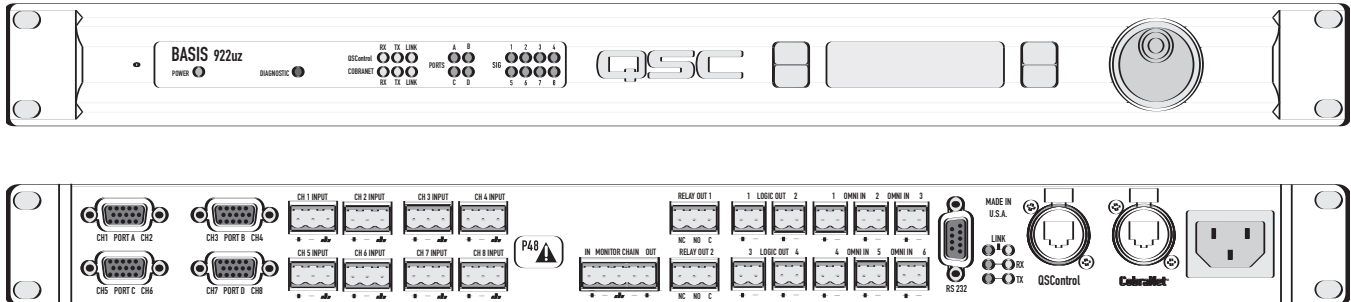


BASIS 922uz



QSCControl.net, QSC's next generation network audio system, achieves the seamless integration of the company's signal transport, control, processing, and monitoring technologies. QSCControl.net brings together QSC's digital, power amplification and loudspeaker products into a unified system that enables the user to administrate it all via a fully integrated graphical user interface. The new generation BASIS devices are designed to operate under the company's QSCControl.net platform.

BASIS 922uz

The BASIS platform meets the control, monitoring, signal transport and processing needs of amplification and loudspeaker systems over an Ethernet network. The BASIS 922uz units combine three distinct QSC technologies within a single hardware unit. Amplifier and loudspeaker control, monitoring and protection, configurable DSP, and CobraNet™ audio transport are seamlessly integrated into one powerful single RU package.

Through QSCControl.net, QSC's BASIS and next-generation RAVE and DSP products can be networked together and controlled from a single software interface. In addition, multiple networked computers can be set up to control and monitor all of the units simultaneously.

Fixed Latency DSP

Users of most other configurable DSP systems are familiar with a variable latency inherent in the processing configuration. Add more processing blocks and you also add delay, whether you want it or not. QSC's DSP engine is unique in having a short and fixed processing latency through the DSP subsystem. When the A/D and D/A converters are included, the total analog-to-analog latency of a single unit is a negligible 2.354 milliseconds. QSC's fixed latency DSP is configurable DSP that stays fast and predictable from one configuration to the next.

For more information, log onto www.qscontrol.net

INPUTS		DSP	OUTPUTS	
Analog	CobraNet		DataPort	CobraNet
8 universal mic/line	16 of 32	24 x 24	4 (8 channels)	32

Features

- Amplifier and loudspeaker control, monitoring and protection
- Configurable DSP functions and signal paths
- Fixed latency DSP engine
- Ethernet controllable
- CobraNet audio transport with new intuitive GUI
- Two Ethernet ports – CobraNet and control can be run over a single cable or be divided between the two ports. The CobraNet port is 100Base-T. The control port is 10Base-T.
- Each unit can store eight design configurations that can be changed on the fly
- Snapshots can recall config or block and/or parameter settings
- Matrix mixer – any size, up to 24 x 24
- Automixers – gain sharing
- Routers – any size, up to 24 x 24
- Gain controls – any channel count, up to 24
- Graphic equalizers
- Filters – high-pass, low-pass, all-pass, shelf, parametric, parametric shelf, Butterworth high and low-pass, Linkwitz-Riley high and low-pass, Bessel-Thomson high and low-pass
- Crossovers – Linkwitz-Riley, Butterworth, Bessel-Thomson in-phase, Bessel-Thomson symmetrical, 2-way, 3-way, and 4-way general purpose adjustable
- Compressors, peak limiters, AGC's, gates, dynamics processor
- Duckers – up to 8 channels, up to 60 seconds fade in and fade out times, priority mix
- Pink noise, white noise, sine
- Delays
- Macros – user-definable custom blocks

PRELIMINARY SPECIFICATIONS – BASIS 922uz

Performance	Dynamic range (AES-17, -60 dB method, all sensitivities) Unweighted A weighted Distortion (20 Hz – 20 kHz, all sensitivities) Gain = 0 – 30 dB Gain > 30 dB Crosstalk (20 Hz – 20 kHz) Inter-channel (max) Inter-channel (typ) Intra-channel (max) Intra-channel (typ) Frequency response 20 Hz – 20 kHz (max) 20 Hz – 20 kHz (typ) Audio converters Mute Delay	IN > 110 dB > 113 dB < 0.003% THD+N < 0.05% THD+N > 75 dB > 90 dB > 85 dB > 100 dB +0.3/-1.0 dB +/- 0.3 dB 24 bit, 48 kHz, in and out Infinite attenuation Standard CobraNet™ latency	OUT > 112 dB > 115 dB < 0.009% THD+N < 0.009% THD+N < 0.003% THD+N < 0.05% THD+N 7.104 milliseconds 6.313 milliseconds 8.083 milliseconds 2.354 milliseconds (default group delay)	THRU TBD TBD < 0.003% THD+N < 0.05% THD+N Low latency 4.438 milliseconds 3.646 milliseconds 5.417 milliseconds
	Program inputs Connector type Type Grounding Pinout Input impedance (nom.) Common-mode rejection E.I.N. (max.) Input sensitivities (variable) Phantom power (per IEC 1938 [1996]) Program outputs Connector type Cable type Available “stock” lengths Maximum qualified length	8 3-pin “phoenix style” (a.k.a. “euro style”) detachable terminal blocks Electrically balanced All shield terminals connected to chassis 1:+ 2:- 3:CHASSIS GND Balanced: 10k ohms Unbalanced: 10k ohms 20 Hz – 20 kHz (min.): > 54 dB, 20 Hz – 20 kHz (typ.): > 60 dB 150 ohm, 30 dB: -124.5 dBu 150 ohm, 60 dB: -125.0 dBu Vrms: 0.6 mV to 15.46 V dBu: -62.2 to +26 dBu dBV: -64.4 to +23.7 dBV +48 V (software selectable) 8 4 HD-15 DataPort connections QSC DataPort cable, QSC p-n DPC-x (“x” designates cable length in feet) 1, 2, 3, 4, 5, 6, 10, and 20 ft., custom lengths available 328 ft. (100 m) using QSC DP cable only. Non QSC cable limited to 6 ft. (audio only)		
Monitor	Control room foldback monitoring Connector type Pinout Tap points Monitor input Monitor signal (unit off) Maximum level Impedance (nominal) CMRR, 20 Hz – 20 kHz Monitor output Monitor Freq. resp. (20 Hz – 20 kHz) Distortion (20 Hz – 20 kHz) Noise floor Output impedance (nom) Output load (min) Monitor level Control range (nom)	5-pin “phoenix style” (a.k.a. “euro style”) detachable terminal blocks 1:-(input) 2:-(input) 3:CHASSIS GND 4:-(output) 5:-(output) 8 internal input, 8 internal output, 8 amplifier (pre-, post-, amplifier) software selectable Unity gain connection, relay bypass +21 dBu 10k ohms > 54 dB Sum of monitor input and signal from internal monitor tap point(s) +/- 0.5 dB < 0.05% @ +4 dBu > 90 dB 100 ohms 600 ohms 0 dB to -95.5 dB in 0.5 dB steps		
	Relay outputs Connector type Configuration Pinout Switching capacity (nom) Logic outputs Connector type Configuration Pinout Omni inputs Connector type Configuration Pinout Normal operating range Potentiometer operation Voltage tolerance Current output RS-232 port QSCControl port CobraNet port Indicators QSCControl status CobraNet status Power Diagnostic DataPort status (port) LCD data display Signal presence	2 discrete floating relay switch outputs 3-pin “phoenix style” (a.k.a. “euro style”) detachable terminal blocks Electromechanical relay 1:NC 2:NO 3:COM 1A 30 VDC 4 discrete outputs 2-pin “phoenix style” (a.k.a. “euro style”) detachable terminal blocks Single-ended, TTL compatible 1:+(Signal) 2:-(CHASSIS GND) 6 discrete inputs for TTL logic, voltage control or passive resistance 2-pin “phoenix style” (a.k.a. “euro style”) detachable terminal blocks Single-ended, ground referenced 1:+(Signal) 2:-(CHASSIS GND) Reads signals between 0-5 V nominally Use 10k ohms for full range +/- 48 V 0.5 mA with 10k pot (for passive resistive controls) Female DB9 connector Neutrik Ethercon RJ45 ruggedized data connector Neutrik Ethercon RJ45 ruggedized data connector Yellow Link, Tx, Rx, front panel Green Link, Tx, Rx, rear panel Yellow Link, Tx, Rx, front and rear panel Blue, front panel Red, front panel Tri-state (red, green, yellow), front panel 2 line x 16 character, backlit, front panel Tri-state (red, green, yellow), front panel		

Specifications are subject to change without notice.