

P R E L I M I N A R Y

RAVE

Audio Network Hubs

F E A T U R E S

QSC's Audio Network Hubs, specifically designed for RAVE audio distribution systems, give you the confidence and convenience to create digital networks carrying up to 64 channels of 48 kHz, 20-bit digital audio over standard Fast Ethernet network media. They allow combining and distribution of multiple RAVE units on a network, as well as conversion of Unshielded Twisted Pair wire (TX) to multi-mode fiber optic (FX) for long distance transmission (up to 2 km).

Seven different models offer unique combinations of UTP and fiber optic ports on a common chassis, maximizing network design and flexibility, minimizing cabling and rack space, and cutting the need for separate media converters.

MODEL	TX Ports (CAT-5 UTP)	FX Ports (Fiber Optic)
FE 5/0	5	0
FE 8/0	8	0
FE 3/1	3	1
FE 5/1	5	1
FE 2/2	2	2
FE 5/2	5	2
FE 2/4	2	4

Note: "TX" stands for twisted pair wiring, "FX" stands for fiber

Designed specifically for RAVE audio distribution networks

Unique combinations of twisted pair and fiber ports for simpler installations (eliminates need for additional media converters)

Class II repeater with less than 0.46 microsecond latency for maximum network span

Switchable uplink port for cascading hubs

Heavy duty rack-mount chassis & fan cooling for added reliability

Individual activity indicator for each port

Over-temperature sensor with buzzer alarm

Auto-sensing power supply compatible with 100VAC–240VAC

One source for complete RAVE system and support, saving time and effort

PRELIMINARY SPECIFICATIONS

Interface/Cabling Requirements:

100Base-TX Ports: Requires two-pair Category 5 UTP cable with standard RJ-45 connectors. Segment length can be up to a maximum of 100 meters (328 ft).*

100Base-FX Ports: Requires dual 62.5/125-micron multi-mode fiber cable with standard ST connector. Segment can be up to a maximum of 2,000 meters (6,561 ft).*

Indicators:

Per port: Link and Partition LEDs.
Per unit: Power, Collision, and Over Temperature LEDs.

Cooling:

Fan with side-to-rear airflow

Power requirements:

Auto-sensing 100 VAC–240 VAC, 50–60 Hz. Power consumption: 50W max.

Environmental Requirements:

Operating temperature: 0° C to 50° C Operating humidity: 10% to 80% RH

Dimensions:

19" W x 1.75" H (1 RU) x 16.8" D (48.26 cm x 4.45 cm x 42.6 cm)

Weight:

6.6 lbs–9 lbs depending on model (3–4 kg)

Standards Compliance:

Complies with IEEE 802.3u, 100Base-TX standard, IEEE standard Class II repeater

EMI Certification:

FCC Class A, CE Mark

Safety Agency:

UL, CSA, TÜV/GS



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*Please refer to QSC's RAVE Application Guide for complete network guidelines
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