



Hosa Technology

OGC-361 LONG DISTANCE OPTICAL INTERFACE



Overview

The Litepipe format for sending eight channels of digital audio through a single fiber-optic cable has revolutionized studio connections. But limitations inherent in the chosen media (plastic fiber cables terminated with Toslink-type connectors) limits reliable transmission to a maximum of thirty feet.

The OGC-361 is a two-piece system that allows you to transcend that limitation with runs as long as 100 meters (330 ft.) Or more by amplifying the light signal to a level appropriate for transmission through a different media: glass-fiber cables with "SC" connectors. At the destination, the signal is again reduced to the level appropriate for plastic Toslink cables. This system works not only for 8-channel Litepipe feeds, but also for 2-channel S/PDIF feeds.

Simple Set-up

The system, as shown above consists of two identical, interchangeable converter units. Each is powered by its own AC/DC adapter which is included. Simply position one unit near the source of your Litepipe signal, and position the other unit near the destination gear. Connect each unit to standard 120 Volt, 60Hz power outlets, using the AC/DC adapters, and then follow the connection diagram on Page 2 in order to connect your gear.

Notice that at both source and destination, there is one extra Toslink output offering an auxiliary feed of the source signal. This "clone" of the source signal is available for broadcast feeds, recording feeds, or separate processing of any kind.

Hosa offers plastic Toslink terminated fiber optic cables as well as the glass SC terminated fiber optic cables necessary for complete system hookup.

(Over...)

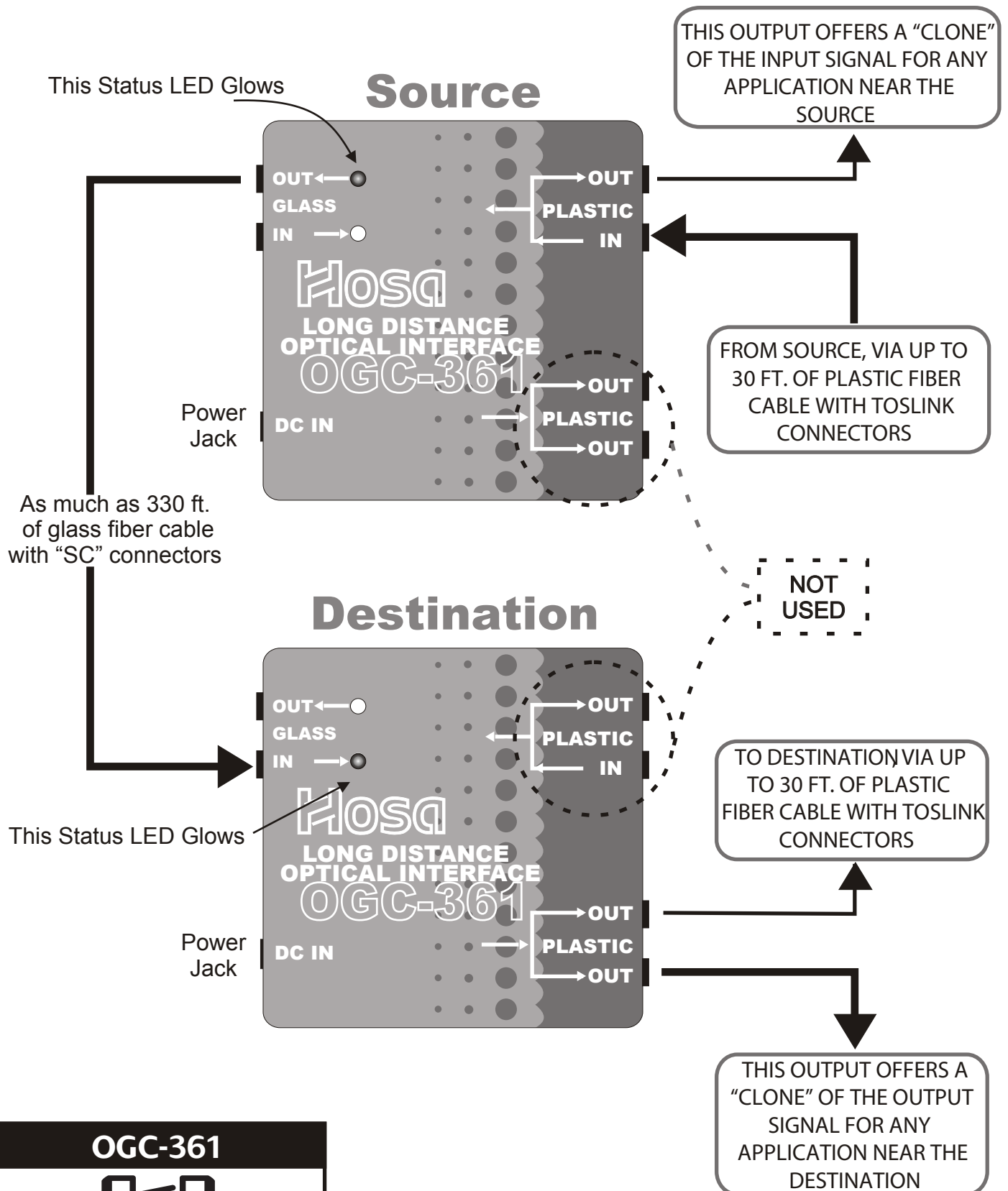
OGC-361



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Connection Diagram



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OGC-361 SPECIFICATIONS

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Plastic Fiber Optical I/O

Connector	Toslink
Operating transmission speed	max. 13.2Mbps

Glass Fiber Optical I/O (Multi-mode Optical cable)

Connector	SC type
Wavelength	1,300nm
Type of Fiber cable	62.5/125um
Distance	Up to 1Km

Data Dependent Jitter	Max. 1.5ns
Random Jitter	Max. 2.5ns
Time Delay	Max. 20ns

Power requirement:	DC 7.5V~9V Max. 300mA
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Dimensions	3-1/2(w) x 3-1/2(d) x 1-5/8(h)
Weight	1lb
Accessory	AC Adaptor

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