

FCC ID: BIO460

Operational Description

The following Operational Description appears in Section 1.2 of the User's Manual:

1.2 EQUIPMENT DESCRIPTION

The DIGITAL Transmitter is part of a combined Digital Studio to Transmitter Link that provides broadcasters with six uncompressed program channels and a data channel to meet the requirements of consolidated operations. It provides the maximum number of high quality program channels over a single RF channel.

The TFT Digital STL consists of a transmitter and receiver pair that accommodates up to three AES/EBU (stereo) inputs or up to six discrete audio channels. The transmitter has a 2-Watt output and delivers them uncompressed in a configurable digital method to the receiver. Sample rates of 32, 44.1, and 48 ks/s are supported. The method of modulation is a function of the number of channels and sample rate and is configurable from a front panel jack that can be connected to a laptop PC. The RF system is frequency agile and set by software in the transmitter and receiver.

The frequency and input/output configuration of both the transmitter and receiver can be set for optimum values of threshold and modulation via a laptop PC that can be connected to a modem. User-friendly software with a graphical user interface (GUI) is provided with each system. The transmitter and receiver can be remotely controlled over an internet or LAN connection.

