SCA-200 Dual 67 KHz SCA Generator

Two Independent 67 KHz SCA Generators

SCA-200 Dual 67 KHz SCA Generator, front panel

Features

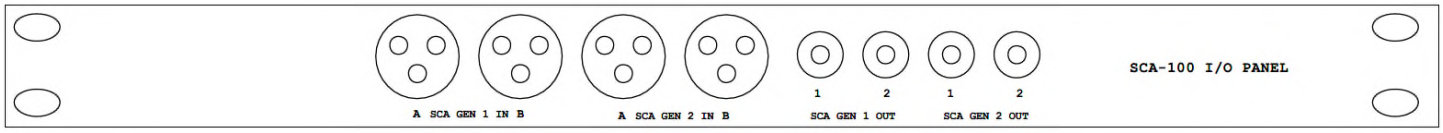
- Two (2) independent 67 KHz SCA Generators in a single EIA one-rack-unit chassis.
- DSP-based next-generation product design
- Remote control via Parallel GPIO, Ethernet SNMPv2, RS232/485 Serial, and Windows App Graphical User Interface supplied for setup and operation
- Each generator has two XLR balanced inputs, which are selectable via the SCA-200 Windows App software
- Each generator has an A and B audio input which is remotely controllable
- Each generator has two (2) outputs with individual injection level adjustments, along with pre-emphasis and low pass filtering
- Built in 400 Hz tone generator for test purposes
- Supports SNMPv2 for Easy Connection to SNMP-based remote controls or software. MIB file is also available
- Supports Auto Muting or fixed On or Off Operation – Adjustable

Product Description

The SCA-200 Dual 67 kHz SCA Generator is a next-generation subcarrier generator that utilizes digital signal processing, bringing a new level of performance and utility to FM broadcasters. The SCA-200 includes two totally independent 67 KHz SCA generators in a single chassis. Each generator has two balanced XLR inputs, selectable via the SCA-200 Windows application software. The unit features two independent outputs for each generator. All setup adjustments are made via the APP, as there are no physical controls or switches on the unit's front panel. Adjustments for input level, optional audio low-pass filter, pre-emphasis, and output level are all accomplished via the SCA-200 Windows App.

The SCA-200 Dual 67 KHz SCA Generator is the first fresh standalone. DSP-based. There are two independent SCA generators built into a single rack-unit chassis; each has switchable inputs for program feed redundancy and two outputs with individual level controls. The setup of input and output levels, on/off control, mute, and input switching functions is done using the provided BDI Stack Graphical User Interface for Windows operating systems. Remote control of the unit is via SNMP, so it is compatible with modern SNMP-based remote controls and software. Input is balanced XLR female, and outputs are 50 Ohm BNC connectors on a provided interface panel.

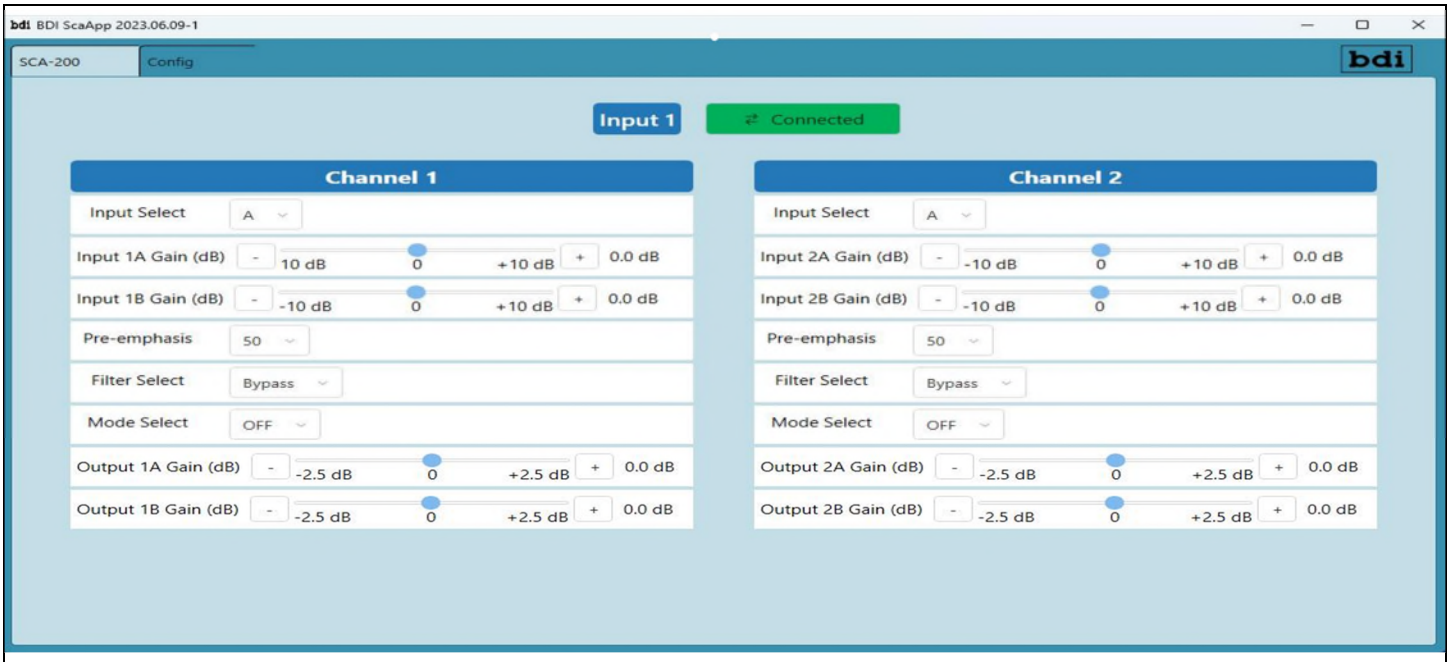
The SCA-200 Dual 67 kHz SCA Generator features updated design elements not found in previous models, including a DSP-based signal path for the best achievable audio quality. A state-of-the-art monitor and control system developed using SNMP v2 to access the unit for local or remote adjustment and control. Previous designs required the engineer to visit the site to adjust. In addition, because the unit has an Ethernet SNMP interface, it can be quickly connected to SNMP-based remote-control systems and software.



SCA-200 Audio Interface Panel, supplied with unit

SCA-200 Dual 67 KHz SCA Generator

Technical Specifications	SCA-200
Input:	Two (2) switchable XLR balanced for each generator, 0 dBm 0.775 Vrms provides 6 KHz deviation
Output:	Two (2) 50 Ohm BNC for each generator, with individual software based output control, 4 volts peak-to-peak maximum
Sub Carrier Frequency:	67 KHz ±0.5% over the environmental temperature range stated below
Input Audio Gain Adjustment:	±10 dB, variable for each input
Frequency Response:	±0.25 dB from 10 Hz to 10 KHz-5 KHz low pass filter switchable
Pre Emphasis:	50 uS, 75 uS, 150 uS, or 225 uS selectable
Total Harmonic Distortion:	Less than 0.5% across audio passband
Remote Control:	Parallel GPIO, Ethernet, SNMPv2, RS232/485 Serial, BDI Windows App Graphical User Interface supplied for setup and operation
Power Requirements:	100-240 VAC 50-60 Hz @ 0.5 A
Operating Ambient Temperature:	32 to 122 degrees, F (0 to 50 degrees, C)
Humidity:	95%, Non-condensing
Mechanical Dimensions:	19 in W x 10 in D x 1.75 in H (483 mm W x 254 mm D x 44 mm H) Standard One EIA Rack Unit Enclosure
Shipping Dimensions:	22 in W x 14 in D x 7 in H (559 mm W x 356 mm D x 178 mm H)
Shipping Weight:	15 lbs. (7 kg)



SCA-200 Windows App GUI, configuration and control screen

Broadcast Devices Inc.
Westchester Industrial Complex
3199 Albany Post Road. Suite 122
Buchanan, New York 10511
USA
+1 (914) 737-5032
sales@broadcast-devices.com
https://broadcast-devices.com