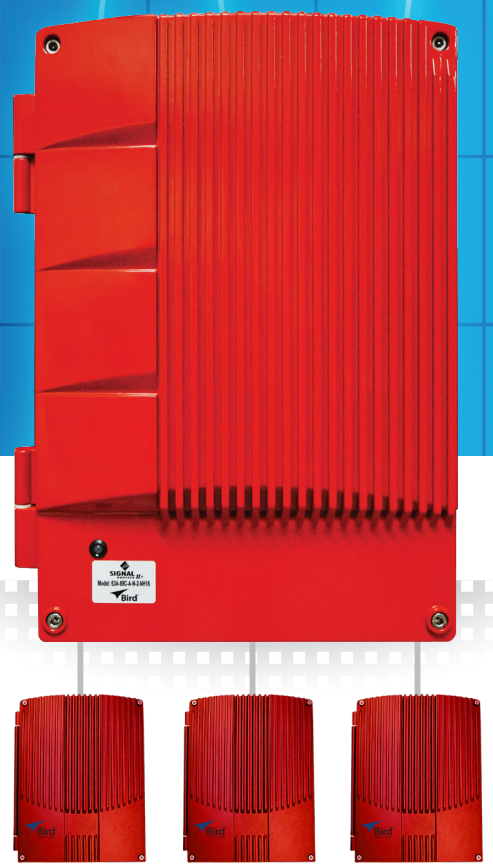
The **RF** Experts

SIGNAL BOOSTER
UHF, 700, 800 MHz

SBII+ FIBER FED



Cover 16x More Area

The Fiber Fed SBII+ utilizes our superior optical transport to allow linking of up to 16 remote boosters to maximize coverage area. Designed for efficient system implementation with complete set-up, monitoring, and control from the head end. Several options are available making the system NFPA compliant, including the fiber fed alarm panel that displays the visual status of all alarms at one unit.

PRODUCT FEATURES

- Supports up to 16 Remote Boosters to maximize coverage area.
- The web browser user interface allows for local and network configuration.
- Multiple bands as needed.
- Complete set-up, monitoring, and control from the head-end.
- SNMP to send system status trap messages to an SNMP Manager.
- Easily perform remote firmware updates.
- Built in oscillation management and detection with multiple user configurable choices.
- On board LED displays and remote OLC monitoring capability.
- NFPA/IFC options includes all the alarms and battery backup configuration options to comply with the standards.
- Custom models available.

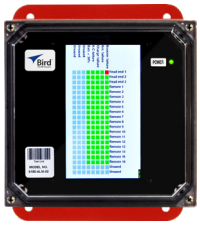
NFPA/IFC OPTIONS

- **6150-ALM-01**

Local alarm panel for Form C alarm inputs

- **6160-110-24-NR**
- **6160-220-24-NR**

110 or 220 Amp-hour, minimum 12 or 24 hour battery backup units



- **6150-ALM-02**

Fiber fed remote or local alarm panel via Ethernet

Bird®

SIGNAL BOOSTER UHF, 700, 800 MHZ

SBII+ FIBER FED

Specifications

SYSTEM

	Head End Unit	Remote unit
DL Gain	30 to 50 dB	35 to 80 dB
UL Gain	35 to 80 dB	30 to 50 dB
Maximum Input Level	-20 dBm	—
Maximum Output Level **450-512 MHz** **764-869 MHz**	 32 dBm UL 33 dBm UL	 32 dBm DL 33 dBm DL
RF Sampler	—	40 dB typ.
Nominal impedance	50 Ohms, <1.5:1 VSWR	50 Ohms, <1.5:1 VSWR
AC/DC Power Supply UL Rated	100-240 VAC; 50/60 Hz, +24 VDC nominal	100-240 VAC; 50/60 Hz, +24 VDC nominal
Unit Power Consumption (AC/DC)	150 W	85 W (3.54 Amps at 24 VDC)

PHYSICAL

Size / Weight **700/800 MHz** **UHF, 700/800 Dual Band**	 24 in x 17.5 in x 9 in 90 lb 24 in x 27 in x 13.4 in 117 lb	 18.1 in x 14 in x 6.5 in 45 lb 24 in x 17.5 in x 9 in 90 lb
Enclosure	NEMA 4	NEMA 4

CONNECTORS

	Head End Unit	Remote unit
RF Input Connector	N(f)	N(f)
Optical Connectors	SC-APC	SC-APC
Alarm/Network Connector	RJ45	RJ45
Local Alarm Connector	—	25 Pin D-sub

ENVIRONMENTAL

Operating Temperature	-30 °C to 50 °C	-30 °C to 50 °C

NFPA OPTIONS

6160-110-24-NR	110 Amp-hour, battery backup for: Single Band, 24 hour minimum Dual Band, 12 hour minimum
6160-220-24-NR	220 Amp-hour, battery backup for all standard SBII+ models, 24 hour minimum
6150-ALM-01	Local alarm panel for Form C alarm inputs
6150-ALM-02	Fiber fed remote or local alarm panel via Ethernet

PRODUCT SELECTION GUIDE

Example: 63A-89C-2-A-N-2-N4 = Signal Booster II+, 806 to 861 MHz, 2-Way, 80 Gain, Bandwidth 10 MHz, Red NEMA 4 Case, NFPA Fiber Head End, 4 ports

Note: Not all combinations are valid. If assistance is needed consult the factory to define the model that is right for you.

63A – ____ – ____ – ____ – ____ – ____ – ____

Product Type	Band	Direction	Gain	Filter Bandwidth	NEMA 4 Enclosure	NFPA Versions
63 = Conduit 63A = External	70 = 450 to 470 MHz	2 = 2-Way	A = 80	B = 0.5 MHz D = 1.0 MHz F = 2.0 MHz	2 = Red	N4 = 4 Port Fiber Head End N8 = 8 Port Fiber Head End N12 = 12 Port Fiber Head End N16 = 16 Port Fiber Head End NR = Fiber Remote
	69 = 470 to 512 MHz			B = 0.5 MHz D = 1.0 MHz		
	82P = 763 to 805 MHz			P = 12 MHz		
	83B = 764 to 806 MHz			P = 12 MHz		
	89C = 806 to 861 MHz			G = 3.0 MHz N = 10 MHz		
	89A = 806 to 869 MHz[1]			G = 3.0 MHz N = 10 MHz R = 18 MHz		
	82R = 763 to 861 MHz			PG = 12, 3 MHz PN = 12, 10 MHz		
	83E = 764 to 869 MHz [1]			PN = 12, 10 MHz PR = 12, 18 MHz		

Please Contact Factory for non-standard configurations with custom frequency, windows and bandwidth. Frequencies MUST be provided with order.

* Class B Type Booster. Type Acceptance under FCC Rules Part 90 and Industry Canada Certification Part RSS-131.

[1]The 18 MHz models may not be authorized in your area due to a recent FCC Rule Change.

Warning: This is NOT a CONSUMER device. It is designed for installation by FCC Licensees and Qualified Installers. You must have an FCC license or express consent of an FCC Licensee to operate this device. Unauthorized use may result in significant forfeiture penalties, including penalties in excess of $100,000 for each violation.

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