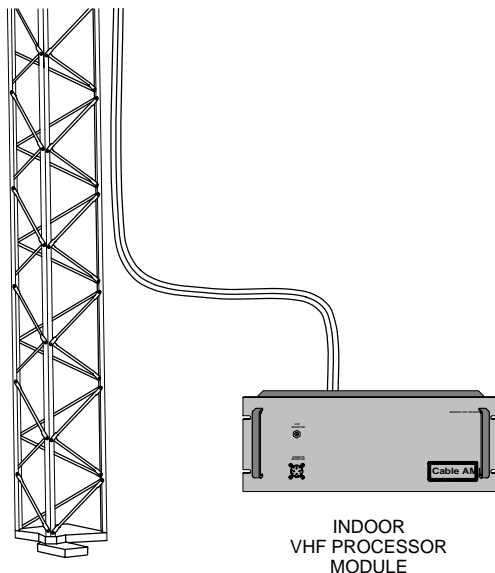


SRX18-SERIES PHASE-LOCK LOW NOISE OUTDOOR RECEIVERS

- ◆ **Low-Noise, Phase-Locked, 72 Channels**
- ◆ **No Need for Waveguide, Connects Directly to Antenna**
- ◆ **VHF Output Connects Directly to Cable**
- ◆ **Three Models, Upgradeable**

PRODUCT APPLICATION:

Cable AML manufactures low noise, digital-ready, state of the art receivers in three versions: the IRX series for indoor operation, the ORX series for outdoor operation, and the SRX series configured with the downconverter mounted outdoors on the antenna feed, and the VHF processor located indoors.



The two-piece design of the SRX avoids the need for waveguide and waveguide pressurization, reducing system cost and improving performance. The two modules are interconnected by standard cable.

The SRX, like all Cable AML receivers, is digital-ready (64 QAM, QPSK, or other digital modulation formats). The low noise distortion characteristics of the SRX series receivers are a significant improvement over previous designs. The receiver is phase-locked to the transmitter by a low phase noise CW pilot tone transmitted in the 74 to 75 MHz spectrum.

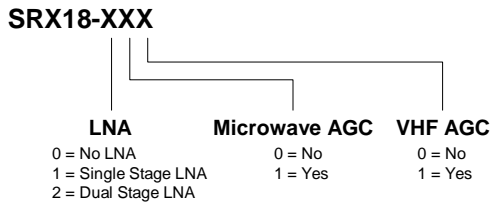
Diagnostic and status monitoring can be performed directly at the receiver, or remotely via the VHF unit's monitor interface connector. The SRX Receiver can be configured with various LNA, Microwave AGC, and VHF AGC options (see the Model Designation Table). Receiver upgrades involving these options can be performed in the field with minimum down time.

SRX18 Series

Input Frequency ² :	17.70 to 18.30 GHz
Output Frequency:	54 to 552 MHz
Video Channel Capacity:	72 Channels
Output Connector:	5/8-24 Cable Entry
Input Connector:	WR-42 Waveguide
Temperature Range:	-40° to 122°F (-40° to 50°C)
Primary Power:	Cable Powered 60 VAC, 50/60 Hz, 1.5 A (max.)
Weight: Downconverter Unit:	6.5 lb. (3 kg)
VHF Unit:	15.25 lbs. (6.9 kg)
Dimensions: Downconverter Unit:	10" W x 7" H x 5" D (25.5 x 17.5 x 12.5 cm)
VHF Unit:	19" W x 7" H x 12" D (48.3 x 17.8 x 130.5cm)

Receiver Specification Table	Model		
	000	101	201
Noise Figure (dB):	13.0	5.5	4.5
Composite Third-Order ³ (C/CTB, dB):	66.0	70.0	68.0
Composite Second-Order ³ (C/CTB, dB):	60.0	60.0	60.0
Microwave AGC Dynamic Range:	N/A	N/A	N/A
VHF AGC Dynamic Range (dB):	N/A	15.0	15.0
Gain (nominal, dB) ⁴ :	25.0	24.0	31.0
Gain Flatness (dB):	1.5	1.5	1.5
Nominal Output Level:	26.0	28.0	30.0

Model Number Designation Table:



¹ Specifications subject to change without prior notice.

² Other frequencies available.

³ 72 channel loading, C/N = 56 dB.

⁴ Gain for input level such that C/N = 56 dB.