

Venue2-941 Module

TECHNICAL DATA

VRT2-941



The Venue 2 Receiver is a modular solution that effectively deals with a congested RF spectrum with a variety of options that allows a system configuration to be idealized for a particular installation or application.

The receiver is comprised of several components:

- The master rack mount host assembly
- Up to six VRT2-941 receiver modules
- Built-in antenna multicoupler with loop-thru output
- Software for setup and control

Specifications

Operating Frequencies:	941.525 - 951.975 MHz, 952.875 - 956.225 MHz 956.475 - 959.825 MHz
Frequency selection steps:	Selectable; 100 kHz or 25 kHz
Pilot tone:	25 to 32 kHz; 5kHz deviation; unique pilot tone frequency for each selected carrier frequency (Hybrid mode)
Receiver Type:	Triple conversion superheterodyne
Frequency Stability:	±0.001 %
Multicoupler Bandwidth:	940 - 960 MHz
Sensitivity (20 dB Sinad):	0.9 uV
AM Rejection:	>60 dB, 2 uV to 1 Volt
Image and Spurious Rejection:	85 dB
Diversity Methods:	Antenna Combining Phase switching. Opti-blend™ ratio diversity
FM Detector:	Digital pulse counting detector @ 300 kHz

Installing Receiver Modules

1. Turn the power off.
2. The receiver modules interface with the main assembly through multi-pin connectors on either side of the chassis. Insert the module straight down and then slide it toward the main housing to insert the connector pins. The module should sit flush against the side of the housing.

Caution: Make sure the connectors align correctly. Do not force the module onto the tab. Excessive force may damage the connectors.

3. Align the ridge on the retaining clip with the slot in the chassis and press the clip downward until the ridge snaps into the slot in the side panel.



Removing Receiver Modules

1. Turn the power off.
2. Remove the retaining clip by pressing on it sideways to release it from the slot in the side panel. Then pull upward to remove it.
3. Pull outward on the module to release the connector and then lift it upward out of the chassis. Holes in the underside of the chassis allow you to grip the module on the top and bottom.



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