

Venue 2 Module

TECHNICAL DATA

VRT2

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 receiver modules
- Built-in antenna multicoupler with loop-thru output
- Software for setup and control



iQ Front-end Filtering

iQ™ Each VRT2 receiver module features a tracking front-end filter that travels across the spectrum to stay centered on the selected operating frequency. Under certain conditions, the filter parameters change automatically to minimize IM (intermodulation).

When the incoming RF signal is strong, the iQ filter switches to a narrowband mode with reduced gain for additional suppression of signals above and below the operating frequency. This mode is especially useful in applications such as a live stage production where transmitters are generally close to the receiver antennas. In these conditions, IM is prevalent, but the signals that generate it are significantly reduced by the narrowband filter mode.

When the incoming RF signal level weakens, the filter switches to an extended range mode for maximum sensitivity in the receiver module. The filter tracks in fine incremental steps so that it is accurately centered on the operating frequency.



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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