

MT1632RS

The MT1632RS system represents a complete solution for a typical restaurant or a sports bar application. The system includes all necessary cables, connectors, switching equipment, control panel, programming, and step by step setup instructions. It is truly an audio visual system in a box!

When we designed this system we considered possible equipment combinations and developed the optimal system design. At the heart of the Restaurants AV system design is the MultiTasker®, Universal Audio Video integration system.

The MT1632RS consists of 1 16x32 HDTV (YPbPr) matrix switcher, 1 16x8 balanced mono audio matrix switcher with volume control, 52 IR drivers to control tuners, televisions and power amplifiers, a 15-inch MultiTouch touch screen control panel and 6 power outlets with control. This unit is used to connect up to 16 high definition video sources to 32 compatible TV sets.

The output from the satellite receivers is connected to the video and audio matrix switches using 6ft RCA to BNC cables provided with the system. These switches are responsible for connecting any satellite signal to any of the TV's. The audio matrix provides separate sound feeds to different seating areas of an establishment with individual volume controls.

The MT1632RS comes with 16 IR blinkers for controlling channel selection and power on/off for all of the satellite receivers directly from the MultiTouch touch screen control panel. An additional 32 IR blinker outputs are used to control the televisions. The MultiTouch panel can control power on/off, channel selection, and audio volume (if desired) for each TV, and ensures that each set always operates in HDTV resolution. Four more IR blinkers are available for zone amplifier control when necessary; these IR outputs can control volume to individual audio zones inside the restaurant. For installations with large screen projectors, four separate RS-232 ports and additional four relay contacts are available to provide projection screen control.

Each system is equipped with six AC power sockets that control the "power up" and "power down" sequence for the system. When used in conjunction with the MultiTouch panel a schedule can be set up to "power up" and "power down" the system at predetermined times.

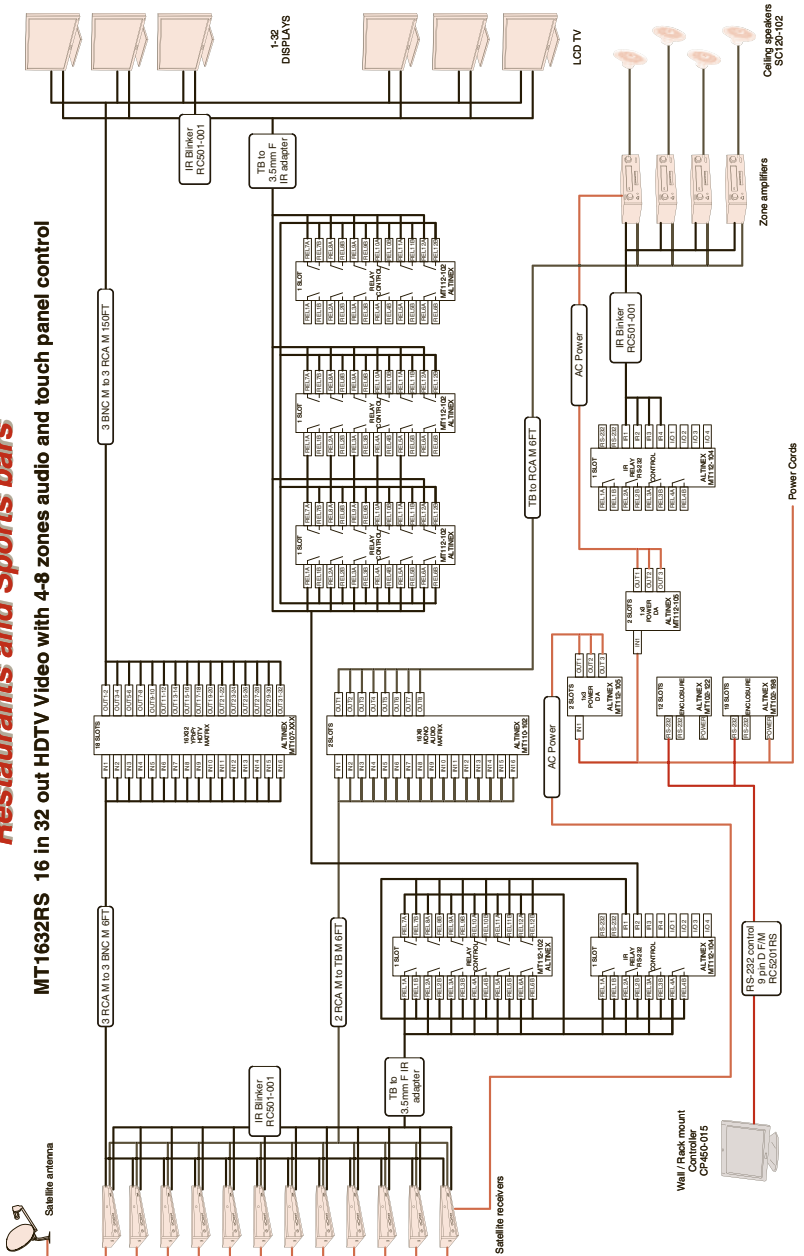
Included is a 15-inch MultiTouch touch screen control panel used to provide all switching and control to the entire system. The control panel offers direct switching of inputs and outputs, volume control and 20 memory presets. This panel will provide a reliable and intuitive way of controlling system, and includes an optional wall or rack mount kit.

The MT1632RS is a perfect combination of hardware and software that will make your Restaurant and Sports bar system design, specification, and installation as simple as 1, 2, 3. Give us a call and let us help you with your current and future AV designs.

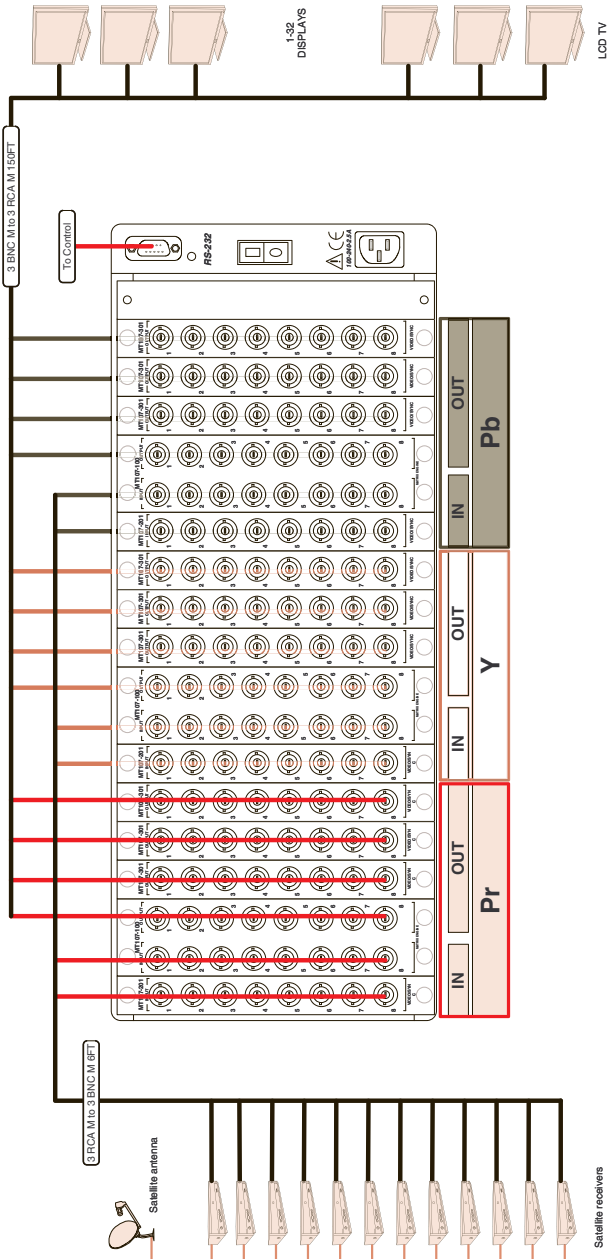
System diagram

Restaurants and Sports bars

MT1632RS 16 in 32 out HDTV Video with 4-8 zones audio and touch panel control

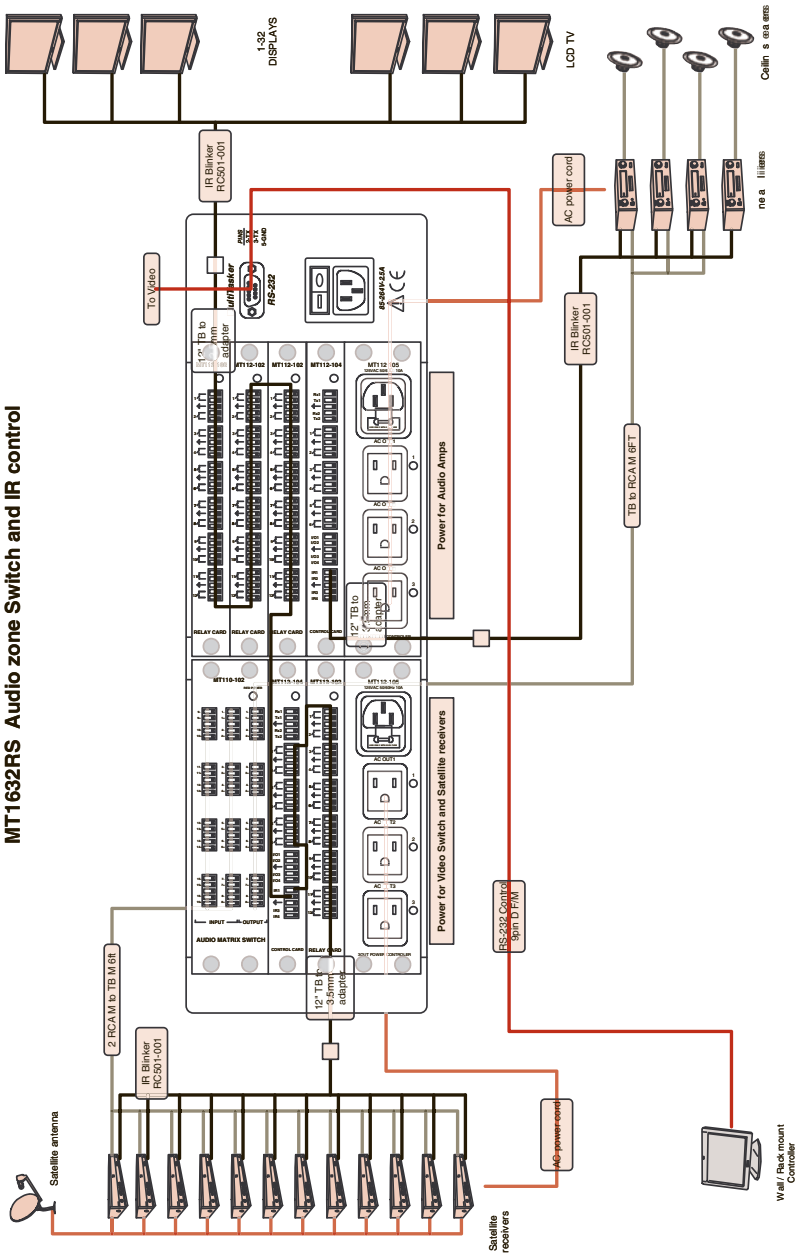


System layout - video portion
Restaurants and Sports bars
 MT1632RS 16 in 32 out HDTV Video switch



Satellite receivers

System layout – audio + control portion
Restaurants and Sports bars
 MT1632RS Audio zone Switch and IR control



MT1632RS Item lists	Quantity
MT102-198: 19-slot MultiTasker enclosure, no keys, RS-232 port, RS-232 cable	1
MT107-100: Universal video matrix engine	3
MT107-201: 8 video/sync input card	3
MT107-301: 8 video/sync output card	9
MT102-122: 12-slot MultiTasker enclosure, 36 keys, RS-232 port, RS-232 cable, key labels	1
MT110-102: 16x8 mono/8x4 stereo audio matrix switcher card	4
MT112-102: 12 relays isolated control	4
MT112-104: 2 RS-232 out, 6 relays, 4 IR out, 4 I/O	2
MT112-105: 1-in 3-out power distribution card with current sensor	2
CP450-015: 15" MultiTouch™ panel	1
RC5201RS: 12ft 9pin M to 9pin F RS-232 cable	1
RC5215MT: Loop cable to control 2 units	1
6FT 3RCA M to 3BNC M cable	16
150FT 3BNC M to 3RCA M cable	6
6FT 2RCA M to TB M cable	16
12in TB to 3.5mm adapter	22
CB501-001: 6ft IR blinker cable	22
6FT TB to RCA M cable	4
SC120-102: 12W drop ceiling speaker	16