

AV-452 Presentation Mixer/Amplifier

- ▶ Four phantom-powered microphone inputs on XLRs and barrier strip
- ▶ Three-band EQ, level, gain and mute controls for each of the four microphone inputs and the A/V buss.
- ▶ Selectable 100Hz rolloff on microphone inputs
- ▶ Audio I/O for Cassette, CD-RW, DVD, VCR and Aux
- ▶ Composite and S-Video I/O for DVD, VCR and Aux
- ▶ RGB In/Thru port for connection convenience
- ▶ Switchable Cascade input allows multiple rooms to be linked together
- ▶ Stereo digital amplifier delivers 100W/side at 8 ohms
- ▶ Learning IR blaster with universal remote sends infrared commands to projectors and other devices when inputs are selected
- ▶ Record monitor selection allows dubbing between A/V devices
- ▶ Motorized master volume control

Designed for the special needs of meeting rooms, conference halls, churches and other presentation applications, the TASCAM AV-452 is an all-new mixer created for the needs of the contracting and installation market. The AV-452 incorporates a microphone mixer, audio/video receiver, infrared controller and digital amplifier into one affordable, easy-to-use component.

As presentation systems and software have become more popular,



A/V presentations have become routine for middle management, educators and other public speakers. With its universal learning remote and IR blaster functions, the AV-452 is designed to control a sophisticated A/V system as a single, integrated unit.

The AV-452 was designed primarily to assist with switching audio and video sources and to allow presenters to be heard. Four microphone inputs are available on XLR and barrier strips, enough for multiple presenters and audience participation. Each microphone input has three-band EQ, level and mute controls, and the installer can switch on a 100Hz rolloff on the mic group.

The five A/V inputs are provided for cassette, CD-RW, DVD, VCR and Aux devices. The A/V inputs include S-Video and Composite video, and sources can be routed to other destinations for dub-

bing. As devices are selected on the AV-452, IR commands can automatically be forwarded to the video projector, so the presenter only needs to press one switch to change sources.

The built-in 100W digital power amp has two switchable speaker outputs, facilitating installations in multi-room setups. The AV-452 can also be cascaded for even more control over multi-room installations.

Professional installers will appreciate features that make the AV-452 easy to specify and install. A

constant voltage input with noise gate allows a paging system to co-exist on the same speaker system as the AV-452. An

EMG break can mute

local audio when an emergency alarm system is activated, allowing the AV-452 to integrate with common building communication systems.

The AV-452 offers a list of convenience features for the presenter, from a VGA In/Thru port for laptop connections to a learning IR remote. For even more control, the installer can connect relay switches to a parallel port, or connect an AMX™ or Crestron™ system to its' RS-232/422/485 port.

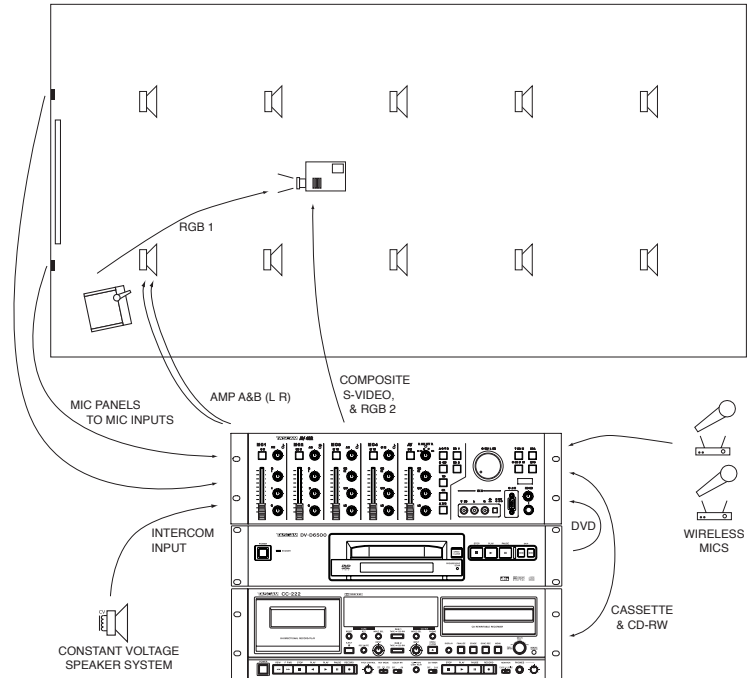
Since A/V systems only enhance a presentation when they run smoothly, the AV-452's most important feature is to help the presenter. It helps the speaker operate their presentation as one complete unit, increasing their confidence and allowing them to focus on what they do best.

Single Room Setups

This simple setup shows the AV-452 at the center of a single room setup. This is a common arrangement for boardrooms, small churches and school presentation rooms. Mic panels in the walls allow up to four microphones to be connected to the AV-452, or wireless microphones can be connected in their place. The DVD player and Cassette/CD-RW combo are connected to their dedicated inputs and can be switched from the AV-452's front panel or learning remote control.

The AV-452's internal 100W amplifier provides power for the distributed speaker system. A constant voltage input allows the building's intercom system to be wired directly into the mixer, so the presenter can turn off background music during presentations. A gate on the CV line can still pass announcements and emergency alerts.

In this case, the AV-452 functions not only as a small PA and A/V amplifier, but also as a video switcher and master controller for the system.

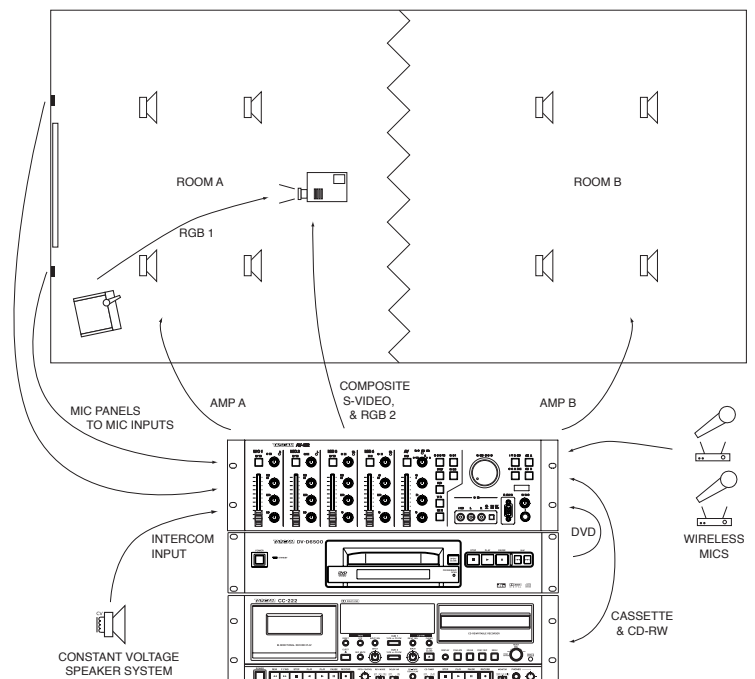


Dual Room Feed

Hotel conference rooms commonly employ folding partitions so that the room can be divided for two smaller events. A hotel with modest needs can use a single AV-452 in this joined setup.

The A/V equipment is placed in Room A, and will only be available in that room. When the partitions are open, both Amp A and Amp B are switched on from the AV-452's front panel. When a small group needs to use room B and the partition is closed, Amp B is switched off. The installer can even wire a toggle switch to the wall in room B to switch that room's amplifier off on the AV-452.

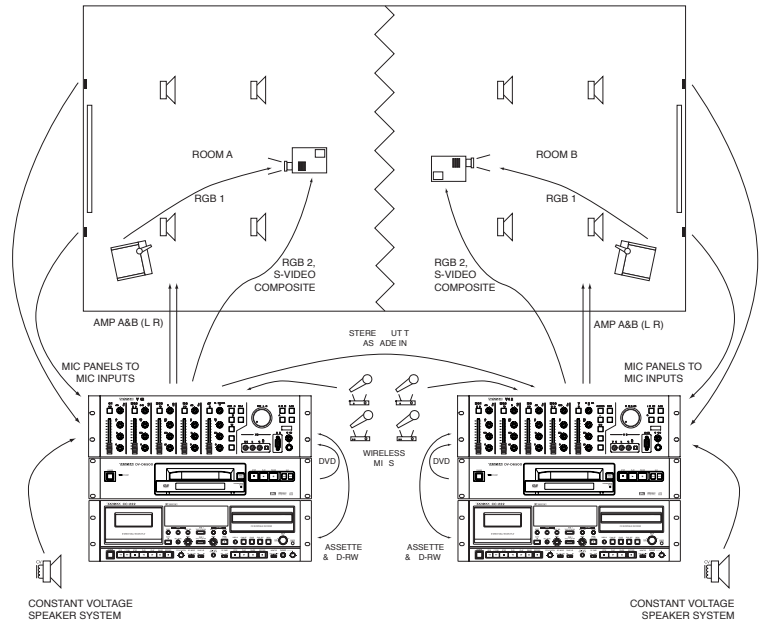
If the client needs two stereo feeds for multimedia presentations with this setup, you can add an external power amplifier for room A, use the internal amps for room B, and have the same individual control over the two rooms.



Two Cascaded Rooms

Similar to the previous example, this installation shows a hotel conference room with a center divider. The difference with this installation is that each room has its own A/V setup. When the two rooms are joined together, the Cascade button is pressed on the mixer in room B. This button overrides the rest of the settings on the AV-452 in room B and instead amplifies the signal from room A. Both rooms in this example play their audio back in stereo.

Other applications of the Cascade function include the ability to use an external submixer or microphone mixer for large presentations. In this mode, the AV-452 amplifies the signal from the Cascade input in addition to its four mic inputs and A/V components.

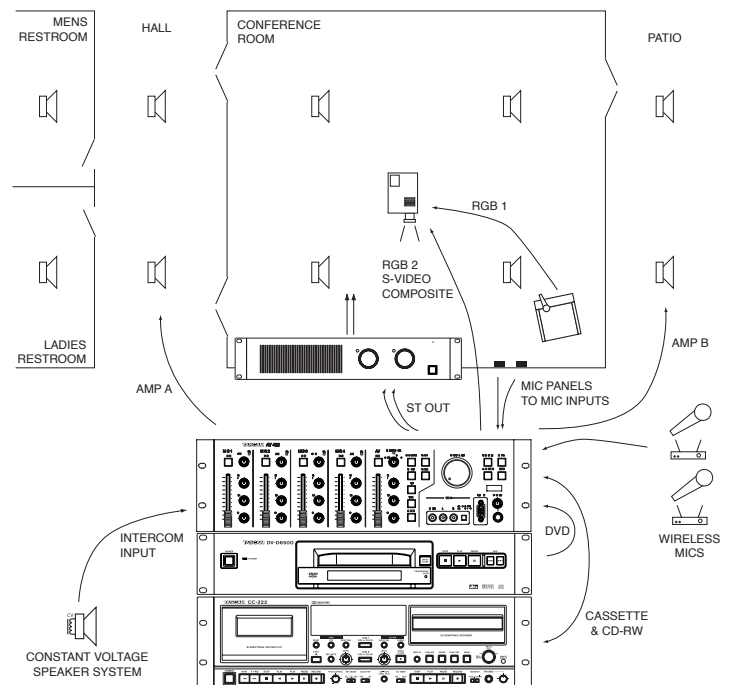


Single Room in Multiple Zones

It's not uncommon for a large presentation hall to need amplification for several zones. Some examples of exterior zones may be the hallway outside of a presentation, the restrooms and the outdoor patio.

In this setup, the AV-452 is connected to a power amplifier for use in the main room. The internal Amp A and Amp B in the AV-452 power the hallway and patio zones. If the presenter doesn't want his presentation to play in those zones, they can be turned off without effecting the sound inside of the room by pressing the Amp A and Amp B switches.

In this installation, the AV-452's amplifiers are set to mono, but the presentation in the main room still plays through the power amp in stereo. Like each of the other installations, the presenter has instant control over his or her audio and video sources, and can even switch the projector's source from the AV-452's front panel, learning remote control or toggle switch controls installed on the lectern.





AV-452 Connections

- ▶ Stereo RCA Cassette Input
- ▶ Stereo RCA Cassette Output
- ▶ Stereo RCA CD-RW Input
- ▶ Stereo RCA CD-RW Output
- ▶ Stereo RCA VCR Input
- ▶ Stereo RCA VCR Output
- ▶ Stereo RCA DVD Input
- ▶ Stereo RCA Meeting Record Output
- ▶ (4) XLR-F Microphone Inputs
- ▶ Barrier Strip for four microphone inputs and Intercom input
- ▶ Stereo XLR Output
- ▶ Stereo XLR Cascade Input
- ▶ Banana Plug Amp A Output
- ▶ Banana Plug Amp B Output
- ▶ Composite and S-Video Monitor Output
- ▶ Composite and S-Video VCR Input
- ▶ Composite and S-Video VCR Output
- ▶ Composite and S-Video DVD Input
- ▶ HD15 RGB 2 Thru
- ▶ DB37 Parallel Control
- ▶ DB9 for RS-232/422/485 control
- ▶ Power Input and Voltage Selector