

RTI Audio Distribution – Tips & Best Practices

- Using RS-232 and IP control simultaneously could make the units behave erratically.
- Setting a static IP in the web interface is discouraged. By using the name of the unit, it will use UPnP to discover and control each unit. A reserved DHCP address is the best option when choosing the static IP option. Serial is also a good option.
- The AD-16x web interface provides an equalizer for adjusting hannel frequencies. An equalizer will give you precise adjustment ability over your tonal quality, so use it for optimal listening.
- Multiple units utilizing IP control should connect to the same network switch.
- When using serial, be sure to use sequential serial ports on XP processors.
- You should use Zone/Group context commands for source selection when grouping zones on the fly. An example of this would be a party group that is contantly changing. When using fixed groups, you may want to utilize the Zone/Group context commands for power, volume, and muting. An example would be two rooms in a group that are designed to always be grouped together and perform in sync.
- There is no group volume text variable feedback because zones in a group could have completely different levels.
- When AD units ship, the gain knobs in the back of the unit may be all the way down, making volume low or inaudible. When calibrating the system, use the gain knobs to adjust each zone to ensure desirable speaker levels.
- Using the command in the RS-232 library `^rti dhcp\r` will set any unit to DHCP in the event an AD unit is not discoverable on the network due to a different IP scheme.
- The AD-16x will allow up to 64 zones of control with the AD-64 driver, but up to 128 zones of control with infrared control.
- When using an RSP-1 remote source plate, be sure to set the dip switch to local, mix or remote.
 - » Local – When any zone is switched to the source, it will use the source connected to the source inputs in the AD unit.
 - » Remote – When any zone is switched to the source, it will use the source connected ot the RSP-1 remote source plate.
 - » Mix – When any zone is switched to the source, it will use both the source connected to the AD unit and the source connected to the RSP-1. Please ensure that both sources are not playing to avoid sound blending.

- When using the “All” IR input for remote sources, use the high out on processor.
- Fixed groups can be set up in the web interface or through events. Setting “groups on the fly” are possible with the driver.
- Please do not set the group count to zero in the driver properties. It could cause problems.
- Please do not update firmware without first consulting tech support. A special procedure must follow.