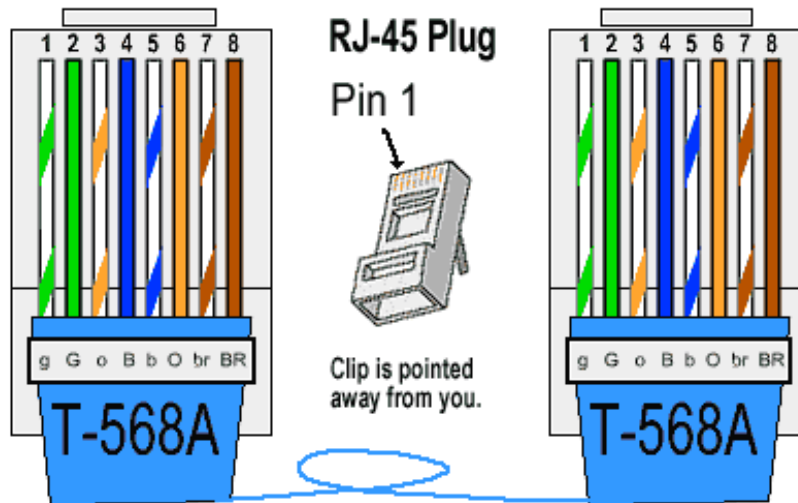
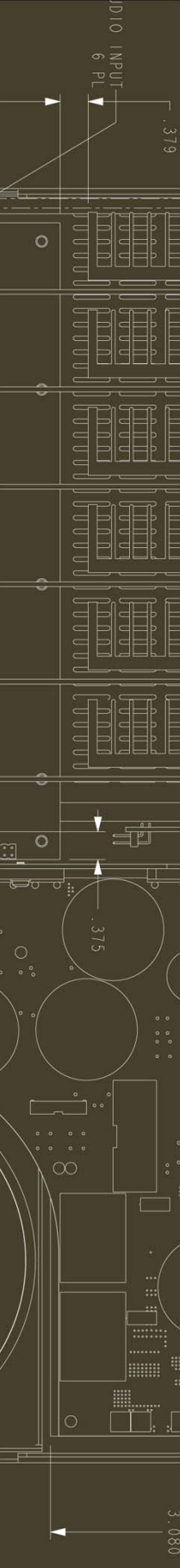


TO: Niles IntelliControl ICS Dealers and Sales Reps
FROM: Niles Technical Support
DATE: 10/10/2006
RE: Proper ICS Wiring and Termination

Technical Support has received many inquiries since the introduction of the IntelliControl ICS MultiZone system concerning acceptable wiring and termination of the User Interface Devices (UIDs). Dealers are seeking to retro-install ICS systems using existing wiring from older distributed audio systems (i.e. Niles MRZ-6, AudioEase, Phast, etc.). While we support your efforts to upgrade existing systems, we also want to insure optimum and consistent performance of the system for your customer. The following requirements are necessary to insure proper operation of the system:

1. Category 5 (or better) wire is the only control wire recommended for the IntelliControl ICS system. Niles does not support the use of any other type of wire.
2. The required termination protocol for control wire is T568A. Please refer to the termination diagram below for the proper T568A protocol.





While other termination protocols may work at short distances, Niles can't guarantee consistent performance at the maximum rated distance of 100 meters. If you experience issues such as:

- Keypads not powering up
- Inconsistent keypad operation
- Keypads power up but do not operate

your RJ45 terminations may be incorrect. We recommend visually inspecting your terminations and/or testing them with an ethernet cable tester that will specifically test for pin configuration and shorts in the cable.

Should you have any questions, please feel free to contact Niles Technical Support at 1-800-289-4434 between the hours of 8am and 7pm Eastern Time, Monday through Friday.