



Niles Technical Bulletin

To: All Niles Dealers and Representatives
From: The Technical Support Department
Date: 8/17/05
Re: Wiring For Niles ICS Systems

Niles will debut the first wave of IntelliControl ICS (Integrated Control Solutions) products during the CEDIA trade show in Indianapolis, Indiana from September 9 through 11.

The main component of the IntelliControl ICS lineup is the GXR2 six source, six zone modular multi-zone receiver. The GXR2 can be installed with any combination of available interface modules. The assorted modules allow the use of audio sources including iPod®, XM® satellite radio, Sirius® satellite radio, AM/FM radio, and traditional audio sources such as CD, DVD, and DSS. Additionally, there are four user interfaces that include wall mountable keypads, a color touch screen, and a hand-held RF remote controller dubbed the iREMOTE®.

The first wave of IntelliControl ICS products can be installed using the wiring configuration currently used by Niles Ci MultiZone Products. Therefore, a single **Category 5** cable using the 568A termination scheme from the GXR2 to the user interface location will be sufficient. Category 5 cable **must** be used. Flat cable **may not** be used. Existing speaker cable, run directly from the equipment location to the loudspeakers may still be used.

When wiring for new construction, it is recommended that the system be wired in the following manner. This will allow for future system expansion and addition of new features.

1. Two separate runs of Category 5 cable from the GXR2 location to the television monitor location.
2. Two separate runs of Category 5 and one four-conductor speaker cable from the GXR2 location to the user interface location.
3. One four-conductor speaker cable from the user interface to the loudspeakers.
4. One Category 5 and one four conductor speaker cable between the user interface location and the television monitor.
5. One Category 5 cable from the GXR2 location to the iREMOTE docking/antenna base.
6. It is recommended that at least four runs of RG-6 and one Category 5 cable be run from the GXR2 location to proposed antenna locations (i.e. the attic). This will provide ample cabling for XM, Sirius, DSS, and AM/FM. It will also allow an iREMOTE docking/antenna base to be centrally located if necessary.

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.