

TO: IntelliControl ICS Installers

FROM: Niles Technical Support

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RE: IntelliControl ICS Frequently Asked Installation Questions

When updating my IntelliFile3 software should the current version be removed?

Niles recommends uninstalling any previous version of the IntelliFile3 software before installing a newer revision. This minimizes the possibility of file errors or possible corruption. Step by step instructions for the installation of a new revision of IntelliFile3 are:

1. *If connected, disconnect the IntelliFile3 infrared capture station from your laptop computer.*
2. *Copy the contents of the following folders from your C:\IntelliFile3 folder to a new folder on your desktop: "ICS Files" and "IR Files". This will safeguard your customer files and IR code files.*
3. *Uninstall the current version of the IntelliFile3 software on your computer using Windows "Add/ Remove Programs" in the Control Panel.*
4. *Delete the IntelliFile3 folder from your C drive.*
5. *Download the latest revision of IntelliFile3 to your desktop. It can be found at: <http://www.intellicontrol.com/techsupport/intellifile3.htm>*
6. *Double click the setup icon on your desktop and follow the installation instructions.*
7. *When installation is complete copy the "ICS Files" and "IR Files" you saved to your desktop back into the new IntelliFile3 folder on your C drive.*
8. *Reconnect your IntelliFile3 infrared capture station to your laptop.*

When performing a firmware update do the iRemotes that are installed as repeaters need to be connected to the GXR2?

Yes, it is necessary for all designated "repeater" iRemotes to be hardwired to the GXR2 in order for their firmware to be updated.

When performing a firmware update my iPod card will not update yet the rest of the system updates without issue. What can cause this to happen?

When updating the firmware to the GXR2 and connected source cards it is necessary to unplug any connected iPods from the system. The constant bidirectional communication between the iPod card and the iPod will cause the firmware update to fail.

When transferring a program from the IntelliFile3 software into the GXR2 the RS232 data transfer fails but the rest of the program transfers. What can cause this to happen?

When updating the firmware to the GXR2 and connected source cards it is necessary to unplug any connected source component from the RS232G. The constant bidirectional communication between the source component and the RS232G will cause the firmware update to fail.

What is Discover?

The GXR2 operates on its own Network and the GXR2 itself issues out IP address numbers to all the devices it sees connected to it upon discovery. Discovery is when the GXR2 discovers all the devices connected to it. This happens when the GXR2 is first turned on as well as from the software. In the Wizard after the Client Info page the GXR2 Discovers. In the Open Existing file

the GXR2 discovers before it transfers from or to. As the GXR2 discovers the devices, it gives them a unique IP address that it uses to communicate with the devices. The GXR2 as a master should always be 10.100.0.1

How do I re-assign a GXR2 from a Slave to a Master?

Connect to the slave GXR2 expansion port with a PC and power the GXR2 up.

Double click the IntelliFile icon on your desktop and select: Step 2: Update Firmware Rediscover and highlight the line with the GXR2.

Press Ctrl + Alt + V and a screen should open. One of the available options is "Restore Factory Settings". Click the button labeled "Do It".

Press the "Do It" button and wait 10 seconds, there will be a notification that restoration is complete.

Restart the GXR2 in the configuration for master.

How far can a keypad be placed from the GXR2 main unit?

All of our keypads work on 330 feet (100 meters) of CAT5. The 12 volt power voltages at the keypad, after 330 feet of CAT5, based on a computer model, are:

Display 7 V

Contact 6.5 V

Single 9 V

The minimum that the keypads need to operate correctly is about 6 V.

With linked zones, do the volumes of the two zones track together, or do they just turn on/off and source select together?

Volume control is independent in linked zones.

Is there a way to lock out the end-user from acoustic adjustments?

No, acoustic adjustment is accessible from all the keypads that have display's and the IF3 software.

Is it true that the power supply in the GXR2 is sufficiently robust to support the connection of 12 Contacts?

Yes, no additional power supplies or connecting blocks are required

Of the eight conductors in the Cat5 keypad cables, how many are actually used?

All 8 conductors are used for the System connection from a keypad or iRemote Base to the GXR2. The transmit and receive leads need to be a pair to work at their full potential.

What is the pin-out info for the RJ45 connections on a GXR2?

Niles uses the 568A standard color code for residential networks.

There are two RJ45 connectors on the back of the Key pads, one goes to the GXR2 and the second is for an external IR sensor.

RJ45	568A	ICS	Niles-IR
1	Green/White	TX+	V+
2	Green	TX-	IR Data IN
3	Orange/White	RX+	GND
4	Blue	IR Signal	
5	Blue/White	IR GND	Status
6	Orange	RX-	
7	Brown/White	UI-Power	
8	Brown	UI-GND	



Is there any way that unused Master Keys can be configured to change zones?

No, the master keys are used to select sources. The unused master keys can be used to select any source as well as issue a sequence of commands. I.e. FM, 9, 3, 9 in a Master Key sequence will turn the TM-AM/FM module on and tune it to FM 93.9 (Jazz station in Miami, FL). The iRemote has a special button labeled Zone that allows you to walk thru the house and select the zone you are standing in and control that zone, then switch to the next zone that you are in control that zone.

Has there been any provision made for pre-programming a system configuration prior to the actual installation?

While certain aspects of a program can be created beforehand, the GXR2 auto discovers the source cards and user interfaces that are connected to it. This information is then displayed in the IntelliFile3 programming software. There is no way to tell the GXR2 that you have a particular source card in a particular slot or what keypads are connected.

The wizard is very easy to use and programming a system does not take long and should always be the primary way of configuring a GXR2 system.

Within the IF3 software, there appears to be a feature to allow editing of IR codes, however, it does not seem to be as comprehensive as what we have enjoyed with IF2 software. Is this possible with IF3?

The IR files created by the IntelliFile3 are NIR files and are located in the IntelliFile3 folder in a sub folder called IR Files. These NIR files are in a text format that depicts the on and off pulses of IR in microseconds. Any one who has any experience working with IR codes will be able to manipulate the IR code with a text program like Notepad or Word. To edit the repeat for instance, open the NIR file with notepad and just delete all the information between the words Repeat, you have just removed the repeat from that IR command. To make an IR code issue more repeats simply copy the IR data and paste it over again. This would double the IR code or make it like an automatic repeat of the IR code.

Can I use the GXR2 without any in-wall keypads?

Yes, with the iRemote you can control all zones, one at a time. The iRemote is RF based, uses Zigbee technology and has an operational range of approximately 100 feet. Additional base stations are available to extend the range.