

TO: Niles IntelliControl ICS Dealers and Sales Reps

FROM: Niles Technical Support

DATE: July 20, 2007

RE: Music Server Installation Instructions

To coincide with the release of IntelliFile3 build 95 and the IM-SERVER card Niles Technical Support is providing our dealers with specific installation and configuration instructions for the Escient line of music servers. Niles Technical Support strongly recommends you familiarize yourself with these instructions to insure a expeditious and trouble free installation.

We are also including a list of operational facts addressing both the Escient and Request lines of servers. This list is divided into three sections; 1) Operational facts that are common to both the Escient and Request servers, 2) Operational facts that are exclusive to Request and 3) Operational facts that are exclusive to Escient.

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 - Friday.

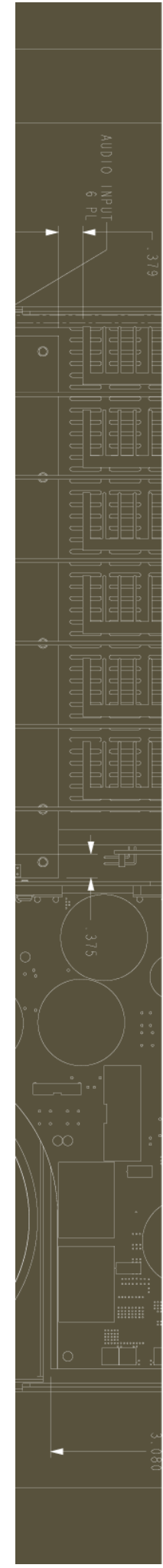
Escient and Request IM-Server Operational Facts

1) *All Music servers should be powered on at all times.* Request or Escient does not recommend soft power off of music servers. When a music server is turned-off with the remote control (soft power) the IM-Server card can lose track of what screen it should be on and Request/Escient music servers take approximately 1 to 2 minutes to fully initialize (at "power on") before generating the menu system to allow customers to search or play their music.

Request Operational Facts

1) When listening to music streams 2-4 (not stream 1) if the user enters the menu, and allows the ICS user interface to time out (it returns to the "now playing" screen) without pressing a button, the song currently being listened to will restart from the beginning. Niles is working directly with Request to facilitate a software improvement to alleviate this in a future build of the IntelliFile3 Software.

2) The user must enter information into the user-interface within 8 seconds while doing an alphanumeric search. For example; If the user is doing an alpha search for a song, album or artist and does not complete entering the information in the user-interface within 8 seconds the Request will time out as if nothing occurred.



As long as the alpha search information is entered into the user-interface within 8 seconds the Request will perform the search.

Escient Operational Facts

1) When using an Escient with a client/server (e.g. an Escient MX111 server with a zone player ZP1, FP1 or MP200 as client) the server should be connected to the home theater system and **not** to the ICS system. The client(s) should be connected to the ICS system and the remote control(s) for the client(s) should be stored where the customer can't access them. IntelliControl ICS operation of the Escient client(s) is compromised when both source IR and ICS control of the client(s) occurs simultaneously. Please refer to the Escient Set-up document in this Tech Support bulletin.

2) It is strongly recommended the installer/ programmer programs any Internet radio stations for the end-user. Blind navigation (keypad with no TV graphics) of Internet radio stations is best achieved when all stations that are not broadcasting on a regular basis are removed from the Escient. Refer to the Escient owner's manual in regards to removing non-broadcasting Internet radio stations.

3) Escient music servers don't play "all songs in random order" by design. When using an IntelliControl ICS user interface to make the Escient play all songs in shuffle mode the user would:

- 1) Press the MENU soft key then
- 2) Choose ALL SONGS from the menu list.
- 3) Choose any song from the ALL SONGS list and the Escient will start playing the chosen song.

If the user were to press the SHUFFLE soft key at this time, the Escient will play the chosen song and all of the songs from the album that the chosen song came from before moving alphabetically to the next album and play songs in random order from that album before moving on to the next album.

Escient states in their owner's manual that all attempts are made to make their music server "act" like a single disc CD player. This is a function of Escient's software design.

4) The first release of the Escient driver for IntelliControl ICS does *not* have PAGE UP and PAGE DOWN for scrolling through all DVD's that are available on an Escient DVD control system. However, any movie can be searched for alpha-numerically from the Escient MOVIES menu choice (on an ICS user interface with feedback). If the user chooses ALL MOVIES, only the first 5 DVD's will be displayed and no PAGE UP or PAGE DOWN control is available. Niles is working directly with Escient to facilitate a software improvement to alleviate this in a future build of the IntelliFile3 Software.

5) The Escient driver for the IntelliControl ICS system has a toggle mode for SHUFFLE. When the SHUFFLE soft key is pressed the Escient will be placed in "Random Group Mode". When SHUFFLE mode is turned off the Escient will be returned to "Repeat Group Mode". Please see the Escient Owner's manual for more information on these modes.

Niles ICS / Escient Setup Instructions

Escient MX, FP and ZP Series
Niles ICS GXR2 with IM-Server Card
Linksys Ethernet Switch or Router

Step 1, Escient Set Up

- (1) Follow Escient Instruction Manual for initial set up.
- (2) In the Escient Setup / Network / Ethernet Settings Menu set Escient for Ethernet control. Choose Dynamic which is the default and more preferable setting. See Fig. 1
- (3) In the Escient Setup / Network / Server Settings Menu give the Escient a "Fireball" Name. It will be easier to identify it during programming. See Fig. 2
- (4) In Escient Setup / External Control / IR & Serial / Serial Control COM Port, disable the Escient's serial control COM port.

Fig.1



Fig. 2

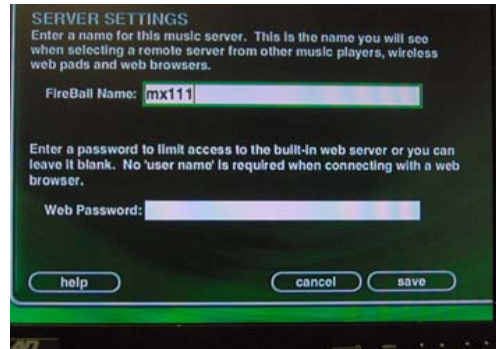
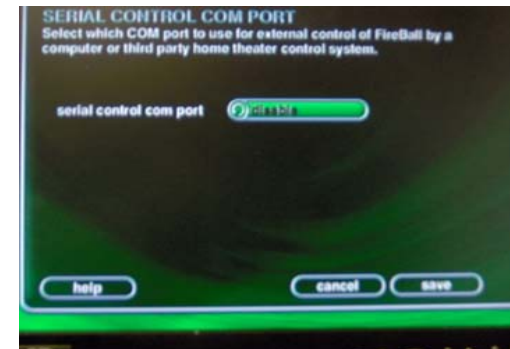
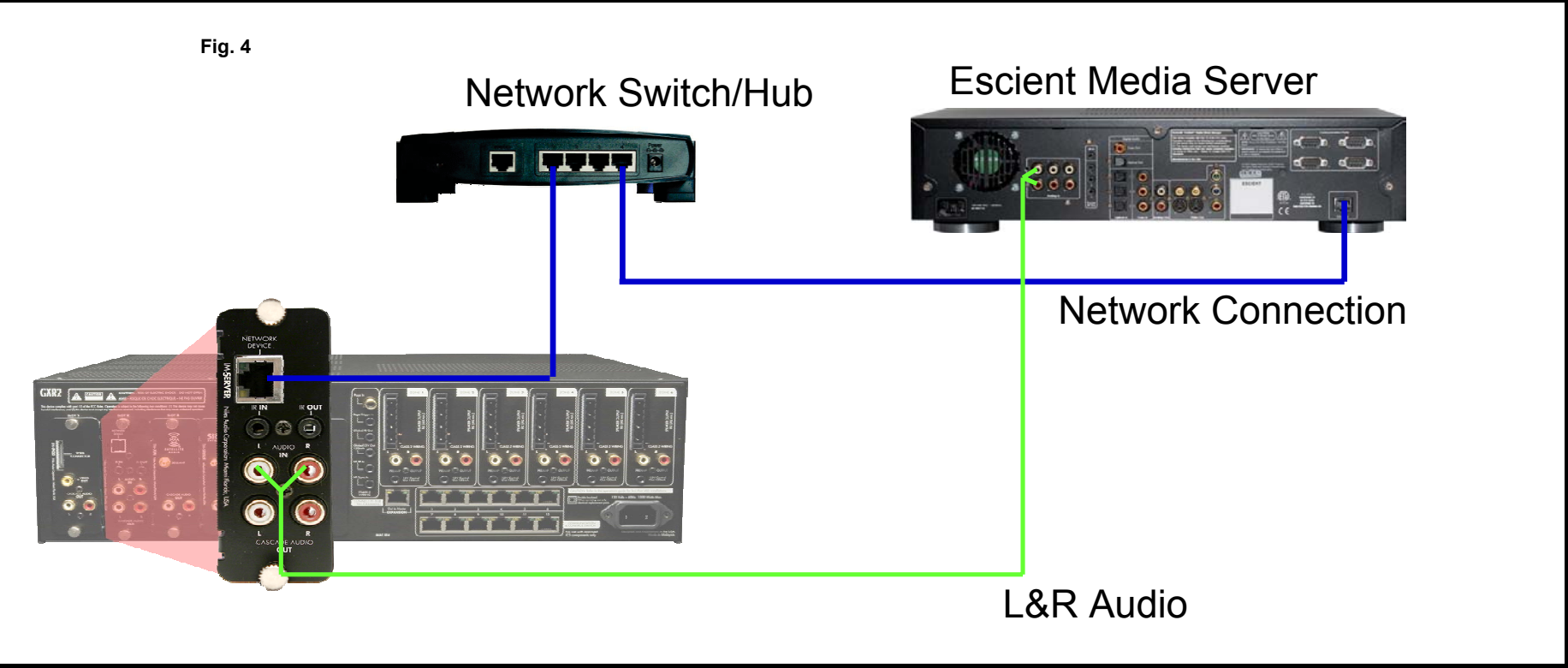


Fig.3



Step 1 Continued, Escient Set Up

- (5) Follow the ICS / Escient IM-Server control connection, see fig.4
- (6) Once the system is wired up and powered on wait a minimum of 5 minutes before configuring with IntelliFile3.



Step 2 Continued, ICS IntelliFile 3 Programming

- (1) Before doing programming with IntelliFile 3 make sure that the ICS system has the most recent Firmware available.
- (2) IntelliFile3 will show that the IM-Server will have "Non Product Specific" IM-Server firmware that will be replaced when doing IF3 programming.
- (3) Open IF3 (Step #3) and choose button one for New System or button two for Open Existing System.
- (4) When either in the programming wizard or in tabs you will be asked to "Select an IM-Server Module and Configure its type and Communication" See fig.5

Fig.5

The screenshot shows the IntelliFile3 software interface. At the top, there is a menu bar with 'File', 'Tool', and 'Help'. Below the menu bar is a grid of configuration tabs. The '3. Server Cards' tab is selected. The main area is titled 'Select an IM-Server Module and Configure its type and communication'. It contains two main panels: 'SOURCE MODULES' and 'SERVER CARD LIBRARY'.

SOURCE MODULES Table:

| SLOT | BRAND | TYPE | MODEL |
|------|--------|-----------------|------------|
| 1 | Niles | Media Player | IM-iPod |
| 2 | Niles | Satellite Radio | TM-XM |
| 3 | Niles | Tuner | TM-AMFM |
| 4 | Niles | Satellite Radio | TM-SIRIUS |
| 5 | Escent | Music Server | FP-1_001-1 |
| 6 | Niles | Tuner | TM-HD |

SERVER CARD LIBRARY Configuration:

- Brand: Escent
- Supported model: FireBall-E
- Communication: FireBall-D3, FireBall-D552, FireBall-SE, FireBall-PC, FireBall-SE160I, FireBall-SE500I, FireBall-X1, FireBall-FP1
- Subnet mask: []
- Default gateway: []
- Assign button

The footer contains the NILES logo, 'Change Tabs' button, 'Main Menu' button, and the IntelliControl ICS logo.

Step 2 Continued, IM-Server Setup within IntelliFile 3 Programming

- (5) If the Escient was set for Dynamic IP during initial setup, then make sure the radio button in this IF3 screen is set on "Obtain IP Address Automatically" as seen in f
- (6) If the Escient was set for Static IP during initial setup then make sure the radio button in this IF3 screen is set on "Use the Following IP Address" as also seen in fig
- (6a) Be sure to enter the correct Static IP, Subnet mask and Default Gateway.
- (7) Click on the Assign button before proceeding to the next IF3 programming choice.

Fig.6

The screenshot shows the IntelliFile3 programming interface. At the top, there is a menu bar with 'File', 'Tool', and 'Help'. Below the menu bar is a grid of navigation buttons for various configuration options, including '3. Server Cards' which is currently selected. The main content area is titled 'Select an IM-Server Module and Configure its type and communication'. It is divided into two main sections: 'SOURCE MODULES' and 'SERVER CARD LIBRARY'. The 'SOURCE MODULES' section contains a table with columns for Slot, Brand, Type, and Model. The 'SERVER CARD LIBRARY' section contains configuration options for Brand, Supported model, and Communication, along with input fields for IP address, Subnet mask, and Default gateway, and an 'Assign' button.

| SOURCE MODULES | | | |
|----------------|---------|-----------------|------------|
| SLOT | BRAND | TYPE | MODEL |
| 1 | Niles | Media Player | IM-iPod |
| 2 | Niles | Satellite Radio | TM-XM |
| 3 | Niles | Tuner | TM-AMFM |
| 4 | Niles | Satellite Radio | TM-SIRIUS |
| 5 | Escient | Music Server | FP-1_001-1 |
| 6 | Niles | Tuner | TM-HD |

SERVER CARD LIBRARY

Brand:

Supported model:

Communication: Obtain an IP address automatically
 Use the following IP address

IP address:

Subnet mask:

Default gateway:

NILES IntelliControl^{ICS}

Step 2 Continued, IM-Server Setup within IntelliFile 3 Programming

(8) The Product Specific Firmware will be loaded into the IM-Server based on the selection that was made.

This will happen in IF3 when you advance by using the Next button or if in Tabs by going to the next Tab. See fig.7

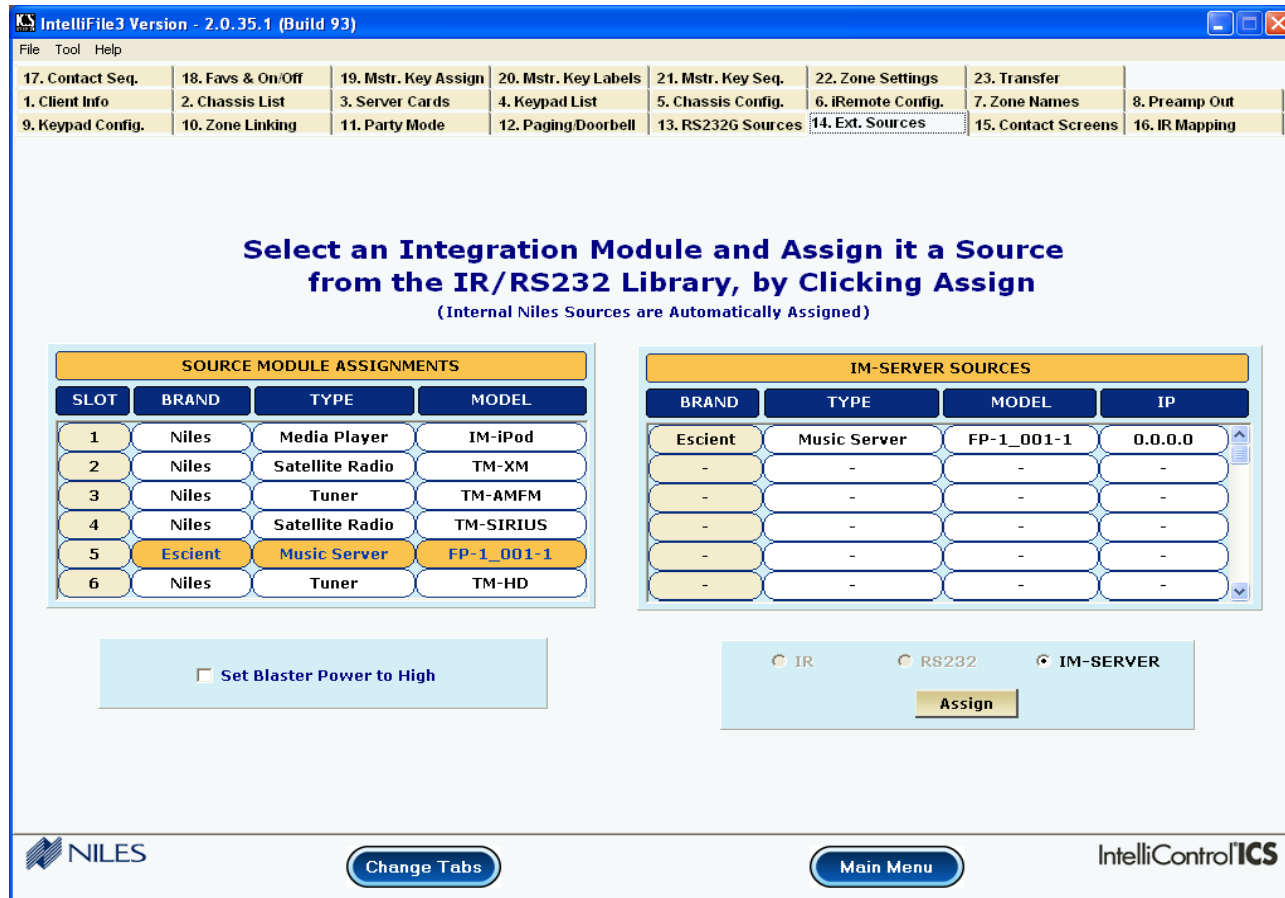
Fig.7



Step 2 Continued, IM-Server Setup within IntelliFile 3 Programming

- (9) When either in the programming wizard or in tabs you will be asked to "Select an Integration Module and Assign it a Source..." See fig.8
- (10) Highlight IM-Server in Source Module Assignments
- (11) Once highlighted, IM-Server "Friendly Named" Sources will appear. Highlight the one that is to be assigned to the IM-Server Card and click Assign
- (12) Proceed through the rest of the IF3 program and Transfer to System.

Fig.8



Niles ICS / Escient / Client Server Setup Instructions

Escient MX, FP and ZP Series
Niles ICS GXR2 with IM-Server Card(s)
Linksys Ethernet Switch or Router

Step 1, Escient / Client Server Set Up

- (1) Follow Escient Instruction Manual for initial set up.
- (2) In the Escient Setup / Network / Ethernet Settings Menu set Escient for Ethernet control. Choose Dynamic which is the default and more preferable setting. Do this for all Escients on the Network. See Fig. 1
- (3) In the Escient Setup / Network / Server Settings Menu give the Escient a "Fireball" Name. Each Escient needs a unique Fireball Name. This will make it easier to identify multiple Escients during programming. See Fig. 2
- (4) In Escient Setup / Network / Remote Server Connection check the Escient that you want to make the Remote Server. See Fig. 3
- (5) In Escient Setup / External Control / IR & Serial / Serial Control COM Port, disable the Escient's serial control COM port. Do this for all Escients on the Network. See Fig.3

Fig.1



Fig. 2

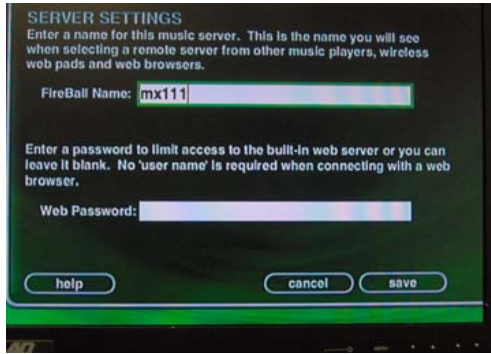


Fig. 3

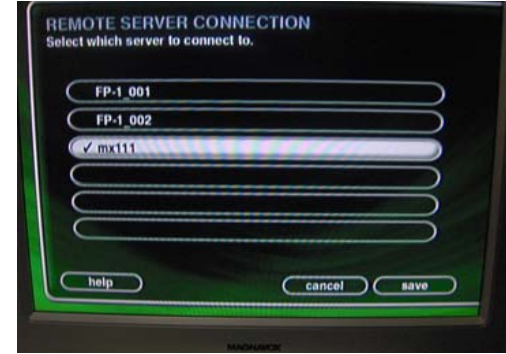
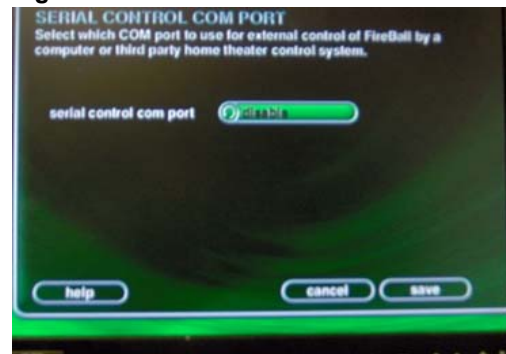


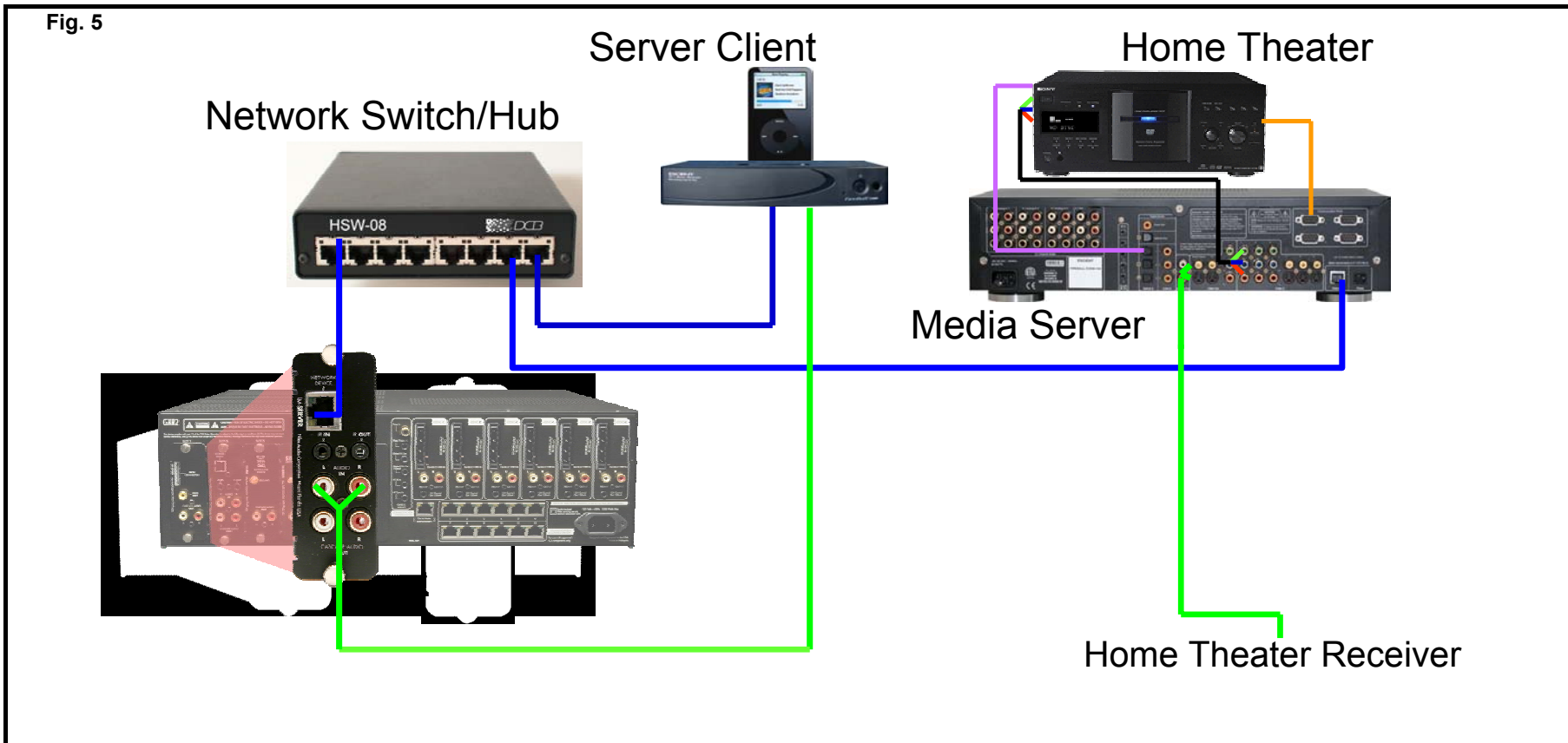
Fig.4



Step 1 Continued, Escient / Client Server Set Up

(5) Follow the ICS / Escient IM-Server control connection, see Fig.5

(6) Once the system is wired up and powered on wait a minimum of 5 minutes before configuring with IntelliFile3.



Step 2 Continued, ICS IntelliFile 3 Programming

- (1) Before doing programming with IntelliFile 3 make sure that the ICS system has the most recent Firmware available.
- (2) IntelliFile3 will show that the IM-Server will have "Non Product Specific" IM-Server firmware that will be replaced when doing IF3 programming.
- (3) Open IF3 (Step #3) and choose button one for New System or button two for Open Existing System.
- (4) When either in the programming wizard or in tabs you will be asked to "Select an IM-Server Module and Configure its type and Communication" See Fig.6

Fig.6

The screenshot displays the IntelliFile3 software interface. At the top, there is a menu bar with 'File', 'Tool', and 'Help'. Below the menu bar is a grid of 24 numbered tabs. The '3. Server Cards' tab is selected and highlighted. The main content area is titled 'Select an IM-Server Module and Configure its type and communication'. It is divided into two main sections: 'SOURCE MODULES' and 'SERVER CARD LIBRARY'. The 'SOURCE MODULES' section contains a table with columns for Slot, Brand, Type, and Model. The 'SERVER CARD LIBRARY' section contains a 'Brand' dropdown menu set to 'Escient', a 'Supported model:' dropdown menu with 'FireBall-E' selected, and a 'Communication:' dropdown menu with 'FireBall-FP1' selected. Below these dropdowns are input fields for 'Subnet mask:' and 'Default gateway:'. An 'Assign' button is located at the bottom of the 'SERVER CARD LIBRARY' section. At the bottom of the window, there is a footer with the NILES logo, a 'Change Tabs' button, a 'Main Menu' button, and the 'IntelliControl ICS' logo.

| SLOT | BRAND | TYPE | MODEL |
|------|---------|-----------------|------------|
| 1 | Niles | Media Player | IM-iPod |
| 2 | Niles | Satellite Radio | TM-XM |
| 3 | Niles | Tuner | TM-AMFM |
| 4 | Niles | Satellite Radio | TM-SIRIUS |
| 5 | Escient | Music Server | FP-1_001-1 |
| 6 | Niles | Tuner | TM-HD |

| SERVER CARD LIBRARY | |
|---------------------|---|
| Brand: | Escient |
| Supported model: | FireBall-E |
| Communication: | FireBall-D3 FireBall-D552 FireBall-SE FireBall-PC FireBall-SE1601 FireBall-SE5001 FireBall-X1 FireBall-FP1 |
| Subnet mask: | |
| Default gateway: | |
| Assign | |

Step 2 Continued, IM-Server Setup within IntelliFile 3 Programming

- (5) If the Escient was set for Dynamic IP during initial setup, then make sure the radio button in this IF3 screen is set on "Obtain IP Address Automatically" as seen in Fig.7
- (6) If the Escient was set for Static IP during initial setup then make sure the radio button in this IF3 screen is set on "Use the Following IP Address" as also seen in Fig.7
- (6a) Be sure to enter the correct Static IP, Subnet mask and Default Gateway.
- (7) Click on the Assign button before proceeding to the next IF3 programming choice.

Fig.7

IntelliFile3 Version - 2.0.35.1 (Build 93)

File Tool Help

| | | | | | | | |
|-------------------|-------------------|----------------------|----------------------|--------------------|--------------------|---------------------|----------------|
| 9. Keypad Config. | 10. Zone Linking | 11. Party Mode | 12. Paging/Doorbell | 13. RS232G Sources | 14. Ext. Sources | 15. Contact Screens | 16. IR Mapping |
| 17. Contact Seq. | 18. Favs & On/Off | 19. Mstr. Key Assign | 20. Mstr. Key Labels | 21. Mstr. Key Seq. | 22. Zone Settings | 23. Transfer | |
| 1. Client Info | 2. Chassis List | 3. Server Cards | 4. Keypad List | 5. Chassis Config. | 6. iRemote Config. | 7. Zone Names | 8. Preamp Out |

Select an IM-Server Module and Configure its type and communication

| SOURCE MODULES | | | |
|----------------|---------|-----------------|------------|
| SLOT | BRAND | TYPE | MODEL |
| 1 | Niles | Media Player | IM-iPod |
| 2 | Niles | Satellite Radio | TM-XM |
| 3 | Niles | Tuner | TM-AMFM |
| 4 | Niles | Satellite Radio | TM-SIRIUS |
| 5 | Escient | Music Server | FP-1_001-1 |
| 6 | Niles | Tuner | TM-HD |

| SERVER CARD LIBRARY | |
|---------------------------------------|---|
| Brand: | Escient |
| Supported model: | FireBall-FP1 |
| Communication: | <input checked="" type="radio"/> Obtain an IP address automatically |
| | <input type="radio"/> Use the following IP address |
| IP address: | <input type="text"/> |
| Subnet mask: | <input type="text"/> |
| Default gateway: | <input type="text"/> |
| <input type="button" value="Assign"/> | |

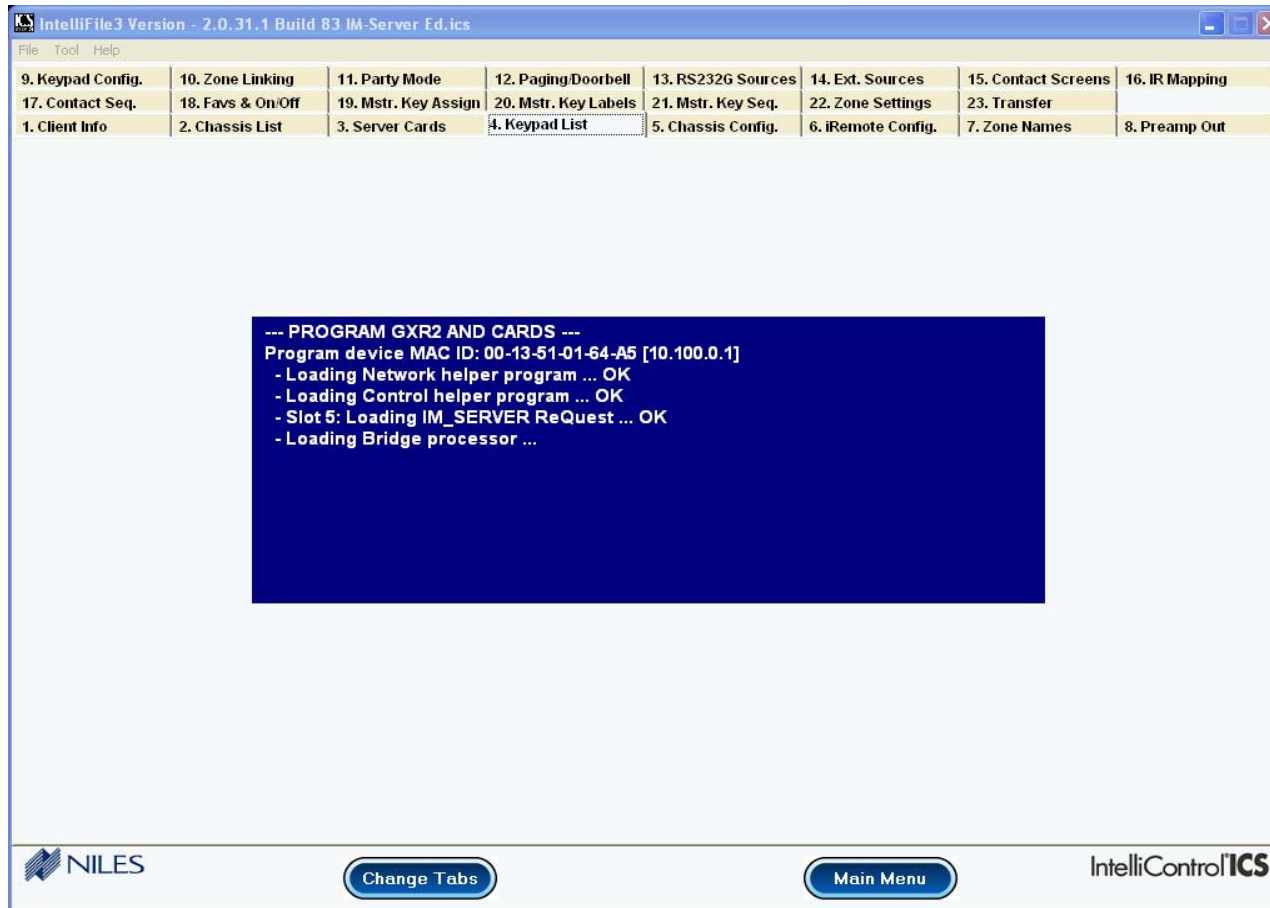
NILES IntelliControl ICS

Step 2 Continued, IM-Server Setup within IntelliFile 3 Programming

(8) The Product Specific Firmware will be loaded into the IM-Server based on the selection that was made.

This will happen in IF3 when you advance by using the Next button or if in Tabs by going to the next Tab. See Fig.8

Fig.8



Step 2 Continued, IM-Server Setup within IntelliFile 3 Programming

(9) When either in the programming wizard or in tabs you will be asked to "Select an Integration Module and Assign it a Source..." See Fig.9

(10) Highlight IM-Server in Source Module Assignments

(11) Once highlighted, IM-Server "Friendly Named" Sources will appear. Highlight the one that is to be assigned to the IM-Server Card and click Assign

(12) Proceed through the rest of the IF3 program and Transfer to System.

Fig.9

IntelliFile3 Version - 2.0.35.1 (Build 93)

File Tool Help

| | | | | | | | |
|-------------------|-------------------|----------------------|----------------------|--------------------|--------------------|---------------------|----------------|
| 17. Contact Seq. | 18. Favs & On/Off | 19. Mstr. Key Assign | 20. Mstr. Key Labels | 21. Mstr. Key Seq. | 22. Zone Settings | 23. Transfer | |
| 1. Client Info | 2. Chassis List | 3. Server Cards | 4. Keypad List | 5. Chassis Config. | 6. iRemote Config. | 7. Zone Names | 8. Preamp Out |
| 9. Keypad Config. | 10. Zone Linking | 11. Party Mode | 12. Paging/Doorbell | 13. RS232G Sources | 14. Ext. Sources | 15. Contact Screens | 16. IR Mapping |

Select an Integration Module and Assign it a Source from the IR/RS232 Library, by Clicking Assign
(Internal Niles Sources are Automatically Assigned)

| SOURCE MODULE ASSIGNMENTS | | | |
|---------------------------|---------|-----------------|------------|
| SLOT | BRAND | TYPE | MODEL |
| 1 | Niles | Media Player | IM-iPod |
| 2 | Niles | Satellite Radio | TM-XM |
| 3 | Niles | Tuner | TM-AMFM |
| 4 | Niles | Satellite Radio | TM-SIRIUS |
| 5 | Escient | Music Server | FP-1_001-1 |
| 6 | Niles | Tuner | TM-HD |

| IM-SERVER SOURCES | | | |
|-------------------|--------------|------------|---------|
| BRAND | TYPE | MODEL | IP |
| Escient | Music Server | FP-1_001-1 | 0.0.0.0 |
| - | - | - | - |
| - | - | - | - |
| - | - | - | - |
| - | - | - | - |
| - | - | - | - |

Set Blaster Power to High

IR RS232 IM-SERVER

Assign

NILES Change Tabs Main Menu IntelliControl^{ICS}