IntelliControl® ICS

INTEGRATED CONTROL SOLUTIONS

QUICK INSTALL GUIDE

GXR2

MODULAR MULTIZONE RECEIVER

ENGINEERED BY NILES®

IntelliControl®ICS
INTEGRATED CONTROL SOLUTIONS

The IntelliControl® ICS GXR2 Modular Multizone Receiver works as the main system distribution center for IntelliControl ICS. This receiver uses module cards from the iPod®, HD-Radio™, XM®, Sirius®, AM/FM, media server and Legacy Audio Modules, and distributes the audio and metadata throughout 6 zones as well as receives controls from our user interfaces such as the iRemote® RF Remote Control with LCD display, the Contact Touch Screen Control Keypad, the Display System Control Keypad with LCD display and the Single Wall Mount Control Keypad.

FEATURES AND BENEFITS

- **Modular MultiZone Receiver** distributes up to six sources to six zones

- **Built-in High Current 12-channel Amplifier** delivers 55 watts per channel RMS @ 8 ohm and 85 watts per channel @ 4 ohm to each of six zones

- **Integrated Six Slot Card Cage** accepts any combination of up to six IntelliControl ICS integration modules

- **Plug and Play Integration** of TM-AM/FM, TM-HD/R, IM-AUDIO, TM-XM, TM-SIRIUS, IM-SERVER and IM-iPOD IntelliControl ICS integration modules

- **Reliable "One Touch to Music"** operation using IntelliControl ICS Touch Screens, Keypads and remote controls

- **Party Mode** turns on all your favorite areas from any keypad or remote control

- **Global Off** turns off all areas from any keypad or remote control

- **Tone Controls** fine tune bass and treble in each separate zone

- **Balance Control** fine tunes channel levels in each separate zone

FEATURES AND BENEFITS (CONT'D)

- **Programmable Turn-On Volume** for each zone

- **Alarm Clock and Sleep Timer** for each zone

- **Paging/Doorbell Input** enables system wide voice announcements from a phone system or doorbell sounds from the Niles DBI-1

- **Zone Linking** allows a grouping of zones to be controlled as a single zone. Turn-on, source selection, paging and turn-off all work in unison, yet each zone has independent volume adjustment and muting

- **Home Theater Integration Ports** enable audio and video source components shared with the home theater system to be turned on, controlled via IR and turned off as needed

- **Selectable Fixed/Variable Zone Preamp Outputs** with 12 volt triggers for external amplifier applications

- **Source Matching Gain Control** ensures changing sources doesn't require changing volume control settings

- **Removable Speaker Connectors** hold up to 12-gauge speaker wire

- **Expandable Up To 30 Zones** with additional GXR2s

IMPORTANT SAFETY INSTRUCTIONS

The lightning flash with arrowhead symbol, within an equilateral triangle, is intended to alert the user to the presence of uninsulated dangerous voltage within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.
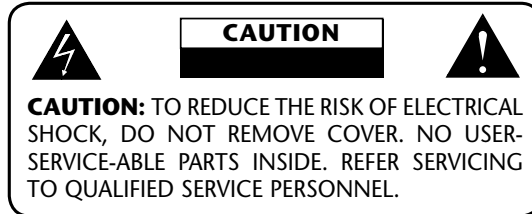
Warning: To reduce the risk of fire or electric shock, do not expose this apparatus to rain or moisture

The exclamation point within an equivalent triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

1. Read and keep these instructions.

2. Heed all warnings.

3. Follow all instructions.

4. Do not use this apparatus near water.

5. Clean only with a dry cloth.

7. Do not block any ventilation openings. Install according to the manufacturer's instructions.

CAUTION

CAUTION: TO REDUCE THE RISK OF ELECTRICAL SHOCK, DO NOT REMOVE COVER. NO USER-SERVICE-ABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.

8. Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.

9. Do not defeat the safety purpose of the polarized or ground plug. A polarized plug has two blades with one wider than the other. A grounding-type plug has two blades and a third grounding prong. The wide blade is provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.

10. Protect the power cord from being walked on or pinched particularly at plug, convenience receptacles, and the point where they exit from the apparatus.

11. Only use attachments/accessories specified by the manufacturer.

12. Use only with a cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with the apparatus. When a cart is used, use caution when moving the cart/apparatus combination to avoid injury from tip-over.

13. Unplug this apparatus during lighting storms or when unused for long periods of time.

14. Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.

15. Apparatus shall not be exposed to dripping or splashing, and no objects filled with liquids shall be placed on the apparatus.

16. Power: BEFORE PLUGGING IN THE UNIT FOR THE FIRST TIME PLEASE READ THE FOLLOWING SECTION CAREFULLY. This unit disconnects form the Main AC Power Supply via a power supply cord connected to the AC inlet in the back of the unit**. AC outlet voltages vary from country to country. Check the voltage selection label printed n the bottom of the unit to ensure the selected voltage for your unit meets the requirements for your area.

17. Lithium battery replacement:

Refer to technically qualified persons only for replacement of battery. Danger of explosion if the battery is replaced with an incorrect type. Batteries should be replaced where possible. Disposal of used batteries must be in accordance with local environmental regulations.

18. All user interfaces to be connected to the GXR2/GXR2 EX must be UL Listed or UL recognized. User interfaces
should be installed by a professional in accordance with local codes and they are only for use with listed Niles Audio Amplifiers/Receivers.

** Note: GXR2 EX model is not supplied with a power cord.

GETTING STARTED

Unpacking the Box (Contents)

■ 1, IntelliControl ICS GXR2 Modular Multizone Receiver

■ 2, Rack Mount Panels

■ Power Cord

■ Speaker Connector (removable)
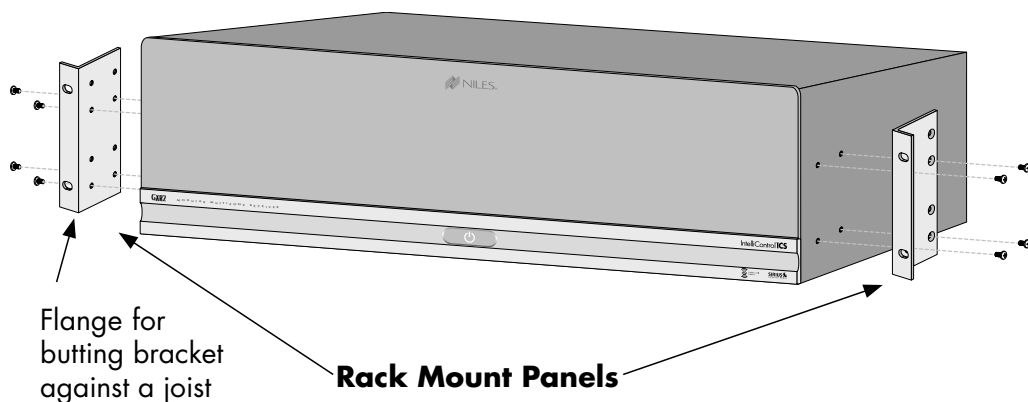
Tools Required:

■ Screwdriver with No. 2 Philips bit

INSTALLATION:

Note: When installing and configuring an ICS system consisting of multiple GXR2 receivers it is important that all of the units have the same firmware version prior to programming. This will insure firmware compatibility between the GXR2 units and Facilitate installation and programming:

1. Check the Niles website for the latest revision of the IntelliFile®3 software. Download the latest revision and update your software, if necessary.

2. Connect your computer to each GXR2 *individually* and update its firmware to the latest version.

3. After all GXR2 units have been updated connect them in the appropriate Master/Slave configuration and proceed with system programming.

INSTALLATION (CONT'D)

1. Remove the four chassis screws located at the front of one of the IntelliControl ICS GXR2 Modular MultiZone Receiver side panels (**Figure 1**).

2. Place a rack mount panel on the GXR2 side panel, aligning the holes in the rack mount panel, with the holes in the GXR2 side panel.

3. Replace all four screws, fastening the rack mount panel to the chassis.

Note: Do not over tighten the screws.

4. Repeat procedure for the other side of the GXR2.

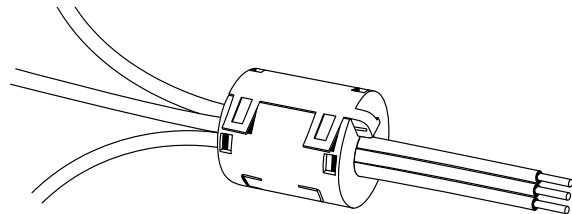Flange for butting bracket against a joist

Rack Mount Panels

Figure 1: Fastening the Rack Mount Panels.

Installation of Clip-on Ferrite Beads

Your GXR2 has been provided with snap-on ferrite beads to help ensure FCC and EMC Compliance. It is the responsibility of the installer to install the beads properly. There are four (4) beads provided for the twelve (12) communication and control switch ports.

⚠ IMPORTANT

Each of the four (4) beads should be snapped on to the CAT-5 cables grouped with a maximum of three cables to each bead. Save any unused beads.

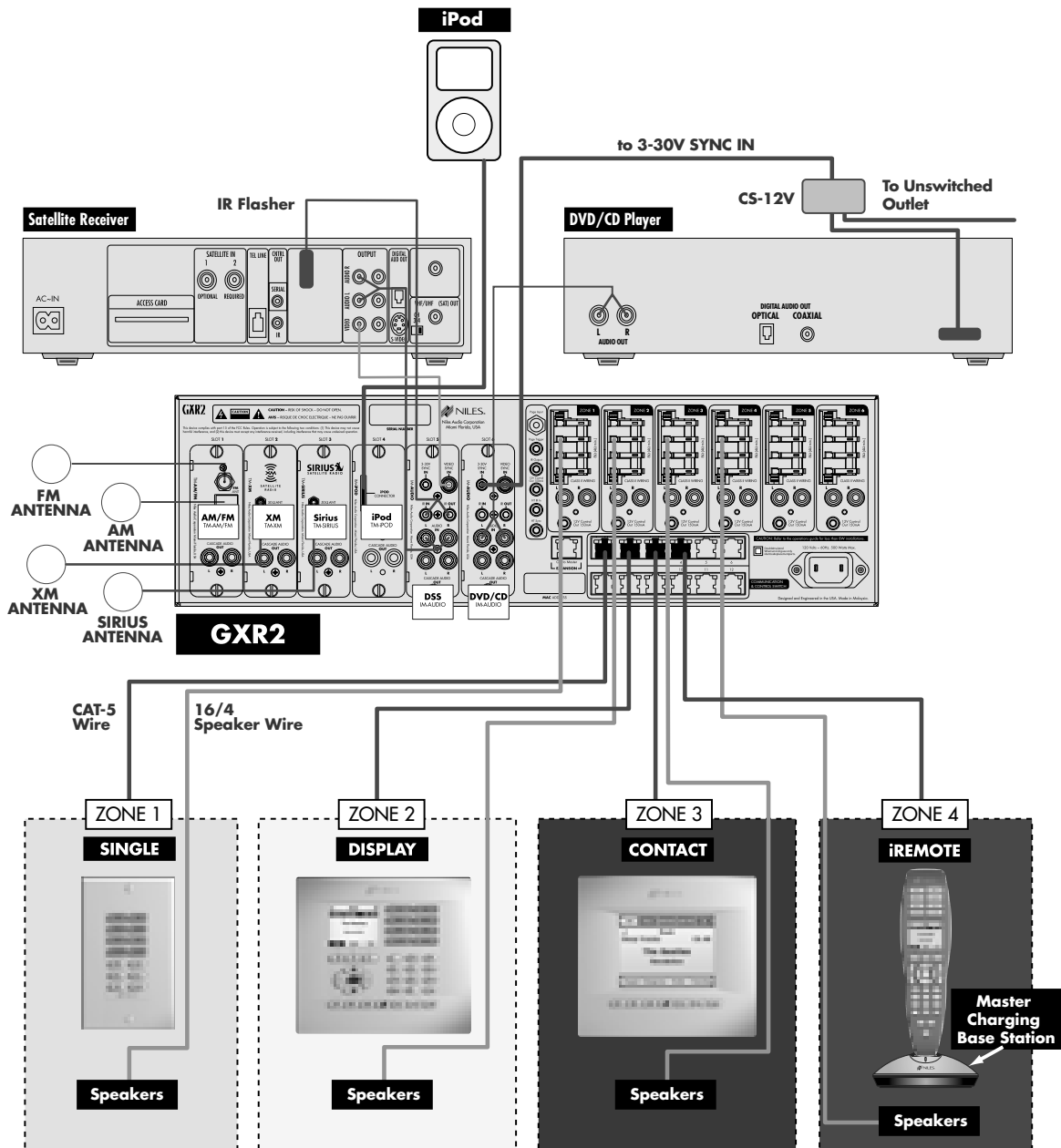# INSTALLATION (CONT'D)

Basic Installation Diagram

Figure 2.

ACCESSORIES

iRemote®	2-Way Wireless RF System Control Remote with LCD Display	FG01180
RBX-1	Remote Charging Base	FG01269
RHS-1	iRemote Handheld Remote	FG01270
Contact	System Control Keypad with Color Touch Screen	FG01185
Display	System Control Keypad with LCD display	FG01183
Single	Wall Mount System Control Keypad	FG01182
IM-iPOD	Apple® iPod® Integration Module	FG01176
IM-AUDIO	Legacy Audio Integration Module	FG01177
IM-SERVER	Media Server and Player Integration Module	FG01339
TM-XM	XM® Satellite Radio Tuner Module	FG01179
TM-SIRIUS	SIRIUS® Satellite Radio Tuner Module	FG01181
TM-AM/FM	AM/FM Radio Tuner Module	FG01175
TM-HD/R	HD-Radio® Tuner Module	FG01340

Niles offers many accessories. For a complete list please visit: www.nilesaudio.com.

SPECIFICATIONS

Power: 55 watts x 12 channels
Frequency Response: 26-20 kHz +/- 3 db
Signal to Noise: > = 85 db
Power Supply: AC 120V, 60Hz
Power Consumption: 1500 watts maximum
Agency Certifications: Class 2/SELV covering US, Canadian and EU markets
Warranty: Two-year limited
Shipping Weight: 54 lbs.

DIMENSIONS

GXR2 Modular MultiZone Receiver: 17-3/8" W x 5-3/4" H x 18" D (including feet)

CUSTOMER SERVICE — TECHNICAL SUPPORT

BY PHONE (IN USA)
1-800-BUY-HIFI (289-4434)
BY PHONE (OUTSIDE USA)
1-305-238-4373
CUSTOMER SERVICE HOURS
8:00 AM to 5:30 PM EST
TECHNICAL SUPPORT HOURS
8:00 AM to 7:00 PM EST
ON THE WEB
www.nilesaudio.com
EMAIL TECHNICAL SUPPORT
techsupport@nilesaudio.com
EMAIL FOR PRODUCT SUGGESTIONS
productsuggestions@nilesaudio.com

LIMITED WARRANTY

Niles Audio Corporation ("NILES") warrants this IntelliControl ICS product to the original purchaser to be free of manufacturing defects in material and workmanship for a period of two years from date of purchase.

This Warranty is subject to the following additional conditions and limitations. The Warranty is void and inapplicable if NILES deems that the product has been used or handled other than in accordance with the instructions provided by the manufacturer, including but not limited to damage caused by accident, mishandling, improper installation, abuse, negligence, or normal wear and tear, or any defect caused by repair to the product by anyone other than NILES or an authorized NILES dealer.

To obtain warranty service, take the unit to the nearest authorized NILES dealer, who will test the product and if necessary, forward it to NILES for service. If there are no authorized NILES dealers in your area, you must write to NILES and include your name, address, model and serial number of your unit, along with a brief description of the problem. A factory Return Authorization Number will be sent to you. Do not return any unit without first receiving written authorization and shipping instructions from NILES.

If the above conditions are met, the purchaser's sole remedy shall be to return the product to NILES, in which case NILES will repair or replace, at its sole option, the defective product without charge for parts or labor. NILES will return a unit repaired or replaced under warranty by shipping same by its usual shipping method from the factory (only) at its expense within the United States of America. There are no other warranties, including without limitation, either express or implied warranties of merchantability or fitness for a particular purpose, with respect to the product.

Repair or replacement as provided under this warranty is the exclusive remedy of the consumer/purchaser. NILES shall not be responsible for any incidental or consequential damages except to the extent provided (or prohibited) by applicable law.
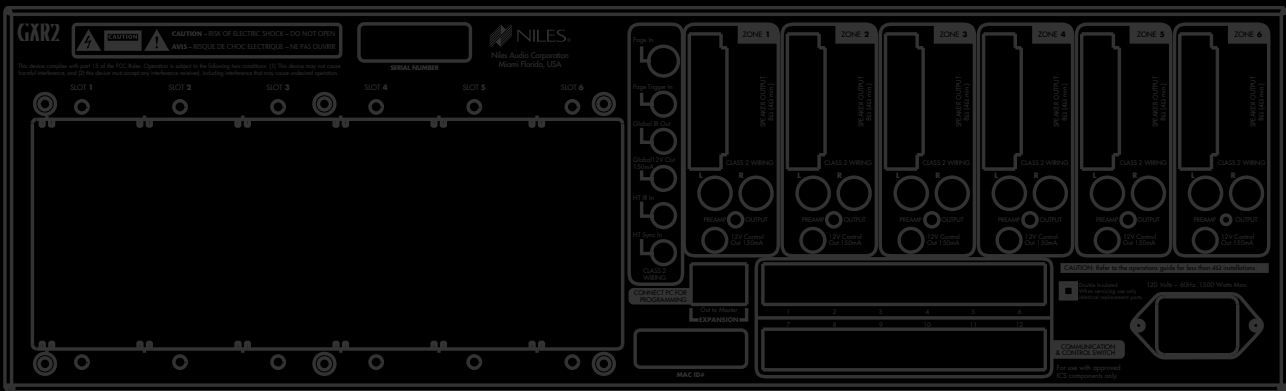
Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation may not apply to you. This warranty gives you specific legal rights, and you may also have other rights which vary from state to state.

For the name of your nearest authorized NILES dealer contact:
NILES AUDIO CORPORATION, P.O. BOX 160818
MIAMI, FLORIDA 33116-0818.

Please fill in your product information and retain for your records.

Model_____ Purchase Date_____

Serial #

E N G I N E E R E D   B Y   ◤ NILES®

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