ADCOM®

GFB-800

INSTALLATION INSTRUCTIONS

THE FOLLOWING PRECAUTIONS AND SAFETY INSTRUCTIONS ARE REQUIREMENTS OF UL AND CSA SAFETY REGULATIONS

Warning To reduce the risk of fire or electric shock, do not expose this unit to rain or moisture.

CAUTION

RISK OF ELECTRIC SHOCK
DO NOT OPEN

AVIS RISQUE DE CHOC ELECTRIQUE-NE PAS OUVRIR

The graphic symbol of a lightning flash with an arrow point within a triangle signifies that there is dangerous voltage within the unit and it poses a hazard to anyone removing the cover to gain access to the interior of the unit **Only qualified service personnel should make any such attempt.**

The graphic symbol of an exclamation point within an equilateral triangle warns a user of the device that it is necessary to refer to the instruction manual and its warnings for proper operation of the unit

Do not place this unit on an unstable cart, stand, tripod, bracket, or table The unit may fall, causing serious injury to a child or adult, and serious damage to the unit Use only with a cart, stand, tripod, bracket, or table recommended by the manufacturer, or sold with the unit Any mounting of the device should follow the manufacturer's instructions, and should use a mounting accessory recommended by the manufacturer

Read all the safety and operating instructions before connecting or using this unit

Retain this notice and the owner's manual for future reference

All warnings on the unit and in its operating instructions should be adhered to

All operating and use instructions should be followed

Do not use this unit near water, for example, near a bathtub, washbowl, kitchen sink, laundry tub, in a wet basement, or near a swimming pool

The unit should be installed so that its location or position does not interfere with its proper ventilation For example, it should not be situated on a bed, sofa, rug, or similar surface that may block the ventilation openings, or placed in a built-in installation, such as bookcase or cabinet, that may impede the flow of air through its ventilation openings

The unit should be situated away from heat sources such as radiators, heat registers, stoves, or other devices (including amplifiers) that produce heat

The unit should be connected to a power-supply outlet only of the voltage and frequency marked on its rear panel

The power-supply cord should be routed so that it is not likely to be walked on or pinched, especially near the plug, convenience receptacles, or where the cord exits from the unit.

Clean unit only as recommended in its instruction manual

The power-supply cord of the unit should be unplugged from the wall outlet when it is to be unused for a long period of time.

Care should be taken so that objects do not fall, and liquids are not spilled, into the enclosure through any openings.

This unit should be serviced by qualified service personnel when
A The power cord or the plug has been damaged, or
B Objects have fallen, or liquid has been spilled, into the unit, or
C The unit has been exposed to rain, or liquids of any kind, or
D The unit does not appear to operate normally, or exhibits a marked change in performance, or
E The device has been dropped, or the enclosure damaged

DO NOT ATTEMPT SERVICING OF THIS UNIT YOURSELF. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.

ATTENTION

POUR PREVENIR LES CHOCS ELECTRIQUES NE PAS UTILISER CETTE FICHE POLARISEE AVEC UN PROLONGATEUR, UNE PRISE DE COURANT OU UNE AUTRE SORTIE DE COURANT, SAUF SI LES LAMES PEUVENT ÊTRE INSEREES A FOND SANS EN LAISSER AUCUNE PARTIE A DÉCOUVERT

CAUTION

TO PREVENT ELECTRIC SHOCK DO NOT USE THIS POLARIZED PLUG WITH AN EXTENSION CORD, RECEPTACLE OR OTHER OUTLET UNLESS THE BLADES CAN BE FULLY INSERTED TO PREVENT BLADE EXPOSURE

CAUTION

POWER LINES

Any outdoor antenna must be located away from all power lines.

OUTDOOR ANTENNA GROUNDING

If an outside antenna is connected to your tuner or tuner-preamplifier, be sure the antenna system is grounded so as to provide some protection against voltage surges and built-up static charges Section 810 of the National Electrical Code, ANSI/NFPA No. 70-1984, provides information with respect to proper grounding of the mast and supporting structure, grounding of the lead-in wire to an antenna discharge unit, size of grounding conductors, location of antenna discharge unit, connection to grounding electrodes, and requirements for the grounding electrode.

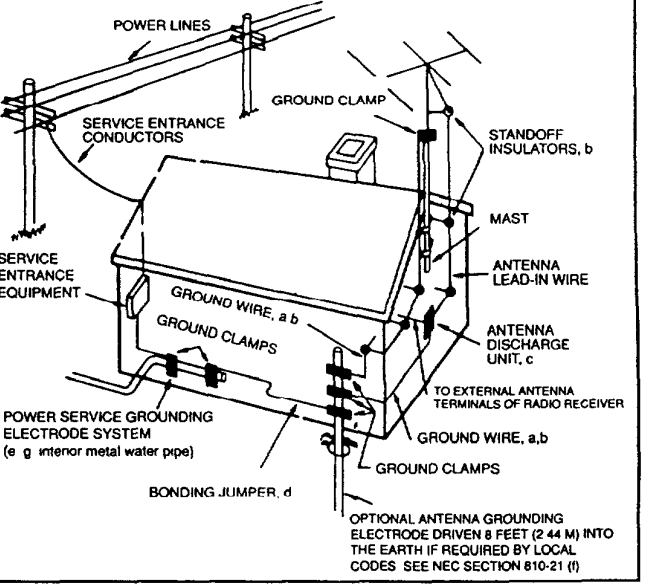
a. Use No 10 AWG (5 3 mm²) copper, No.8 AWG (8.4 mm²) aluminum, No 17 AWG (1.0 mm²) copper-clad steel or bronze wire, or larger, as a ground wire

b. Secure antenna lead-in and ground wires to house with stand-off insulators spaced from 4-6 feet (1.22-1.83 m) apart

c. Mount antenna discharge unit as close as possible to where lead-in enters house.

d. Use jumper wire not smaller than No 6 AWG (13 3 mm²) copper, or the equivalent, when a separate antenna-grounding electrode is used See NEC Section 810-21 (j).

EXAMPLE OF ANTENNA GROUNDING AS PER NATIONAL ELECTRICAL CODE INSTRUCTIONS CONTAINED IN ARTICLE 810 - RADIO AND TELEVISION EQUIPMENT



NOTE TO CATV SYSTEM INSTALLER

This reminder is provided to call the CATV system installer's attention to Article 820-22 of the National Electrical Code that provides guidelines for proper grounding and, in particular, specifies that the cable ground shall be connected to the grounding system of the building, as close to the point of cable entry as practical.

IMPORTANT NOTICE

ADCOM PROTECTION PLAN
(USA ONLY)

ADCOM offers the enclosed valuable Limited Warranty. Please read the details on the Warranty Card carefully to understand the extent of the protection offered by the Warranty, its reasonable limitations, and what you should do in order to obtain its benefits.

Be sure to verify that the serial number printed on the back panel matches the serial number on the outer carton. If either number is altered or missing, or if the Warranty Card is not included in the carton, you should notify us immediately in order to insure that you have received a genuine ADCOM product which has not been opened, mishandled or tampered with in any way.

UNPACKING THE GFB-800

Before each GFB-800 left the factory, it was carefully inspected for physical imperfections as a routine part of ADCOM's systematic Quality Control. This, along with full operational and mechanical testing, should insure a product flawless in both appearance and performance. After you have unpacked the GFB-800, inspect it for physical damage. Save the shipping carton and all packing materials as they are intended to reduce to a minimum the possibility of transportation damage, should the product ever need to be shipped again. In the unlikely event damage has occurred, notify your dealer immediately and request the name of the carrier so that a written claim to cover shipping damage can be initiated.

THE RIGHT TO A CLAIM AGAINST A PUBLIC CARRIER CAN BE FORFEITED IF THE CARRIER IS NOT NOTIFIED PROMPTLY IN WRITING AND IF THE SHIPPING CARTON AND PACKING MATERIALS ARE NOT AVAILABLE FOR INSPECTION. SAVE ALL PACKING MATERIALS UNTIL THE CLAIM HAS BEEN SETTLED.

INSTALLING THE GFB-800

Careful consideration should be given to the placement of the GFB-800 and other components (sources and amplifiers) which will be connected to it. A central location will minimize the longest runs of speaker wire, yet the location should be convenient for the tasks that cannot be handled remotely, such as changing compact discs.

Care must also be taken to ensure that any heat given off by the GFB-800 and any of its associated components is adequately vented. At least 3 inches of clearance must be allowed on each side of the unit for circulation. If it is placed together with heat-generating components such as amplifiers, it should be placed below them.

Another factor to be taken into account is the availability of mounting locations for the ADCOM IRA-500II Infrared Repeaters, to be described below, if the extra flexibility the repeaters can provide is desired.

INSTALLING OPTIONS

INSTALLING ERB-801 EXTRA ROOM BOARDS

CAUTION

Whenever work is to be done with the GFB-800's cover removed, first DISCONNECT THE AC PLUG! Some circuits within the GFB-800 are energized even when the main power is switched off. Ensure that all equipment connected to it is powered down as well.

ERB-801 Extra Room Boards are connected to the GFB-800 through card-edge connectors.

1. First **unplug** the GFB-800. Remove the screws securing the cover and then remove the cover by sliding it backwards. Remove the stabilizing bar running across the top of the several boards within the unit.
2. Remove the two screws holding the small blank panel filling the opening in the GFB-800's rear panel next to the last Additional Room Board installed; i.e., if two boards were installed previously, remove the blank panel from the opening labeled ROOM 3. Keep the two screws and discard the blank panel.
3. Orient the board identically to the previously installed boards, and carefully align the card-edge connectors on the board with those on the GFB-800 main board, while positioning the board's external connectors in the opening in the GFB-800's rear panel. Taking care that the alignment of all connectors is maintained, firmly press the board downward until fully seated.
4. Repeat steps 2 and 3 for additional ERB-801 boards.

5. Reinstall the two screws which formerly held the blank panel. Replace the stabilizing bar across the tops of the boards, **but DO NOT force it.** If any board is not fully seated, the bar will not fit correctly. Replace the GFB-800's cover.

INSTALLING THE PHO-802 PHONO PREAMP BOARD

CAUTION

Whenever work is to be done with the GFB-800's cover removed, first DISCONNECT THE AC PLUG! Some circuits within the GFB-800 are energized even when the main power is switched off. Ensure that all equipment connected to it is powered down as well.

The PHO-802 Phono Preamp Board replaces the standard AUX input. Any high-level source connected to the AUX input must be relocated to one of the other inputs not already in use. This input must not subsequently be used for a high-level source unless the PHO-802 Phono Preamp Board is **removed**, and the jumper wires replaced.

1. Begin installation by unplugging the GFB-800 and removing its cover.
2. Remove the stabilizing bar running across the several boards within the unit. Remove the four screws in the rear panel which hold the assembly consisting of the INPUT SIGNALS and REMOTE CONNECTORS board.
3. Wiggle free the card-edge connectors on both boards, and gently lay the assembly so that the INPUT SIGNALS board is accessible (see figure 1). Be careful not to kink or stress the blue connecting ribbon leading from the board to the rotary switch on the GFB-800's front panel.
4. Remove entirely the three jumper wires indicated on figure 1.

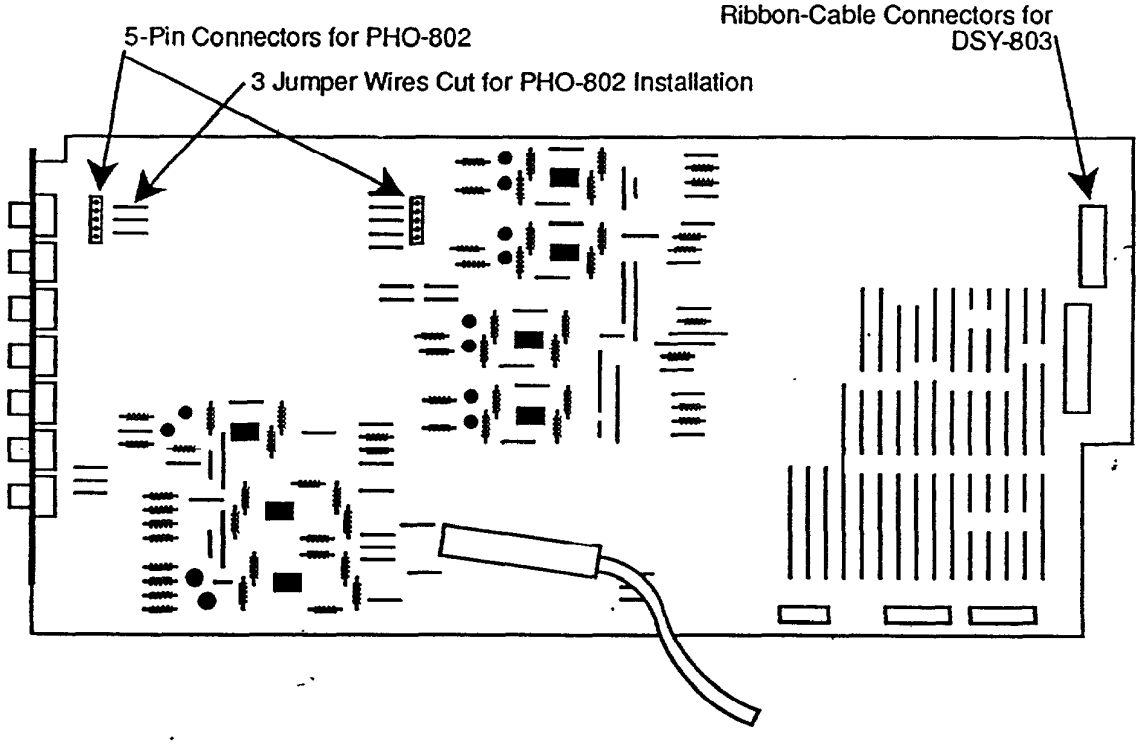


Figure 1. View of INPUT SIGNALS/REMOTE CONNECTORS Assembly Showing INPUT SIGNALS Board

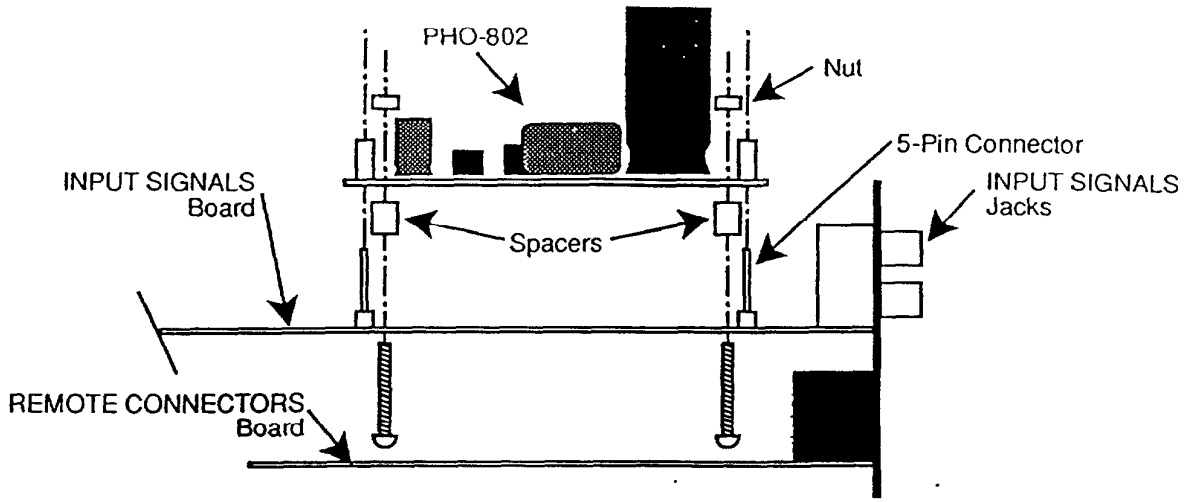


Figure 2. Placement of Optional PHO-802 Phono Preamp Board on INPUT SIGNALS/REMOTE CONNECTORS Assembly

5. Position the PHO-802 Phono Preamp Board over the two 5-pin connectors so that the large upright capacitors (16V, 2200µF) are positioned as indicated in figure 2, toward the back end of the INPUT SIGNALS board (the end with the output connectors). Slide it carefully down onto the pins, but do not fully seat it. Install the two spacers, screws and nuts provided. **The spacers are essential to prevent shorting between the phono preamp and the main INPUT SIGNALS board.** Check to be sure that sufficient clearance exists between the Phono Preamp Board and the INPUT SIGNALS board, with particular attention to the previously cut jumper wires.
6. Carefully reposition the assembly over the card-edge connectors within the main unit and press the assembly down until fully seated.
7. Reinstall the four screws which secure the panel. Replace the stabilizing bar across the tops of the boards, but do not force it; if any board is not fully seated the bar will not fit correctly. Replace the GFB-800's cover.
8. Affix the PHONO label over the pre-existing AUX label.

INSTALLING THE DSY-803 DAISY-CHAIN ASSEMBLY

CAUTION

Whenever work is to be done with the GFB-800's cover removed, first DISCONNECT THE AC PLUG! Some circuits within the GFB-800 are energized even when the main power is switched off. Ensure that all equipment connected to it is powered down as well.

If more than 5 rooms are to be controlled independently of each other, additional GFB-800s must be installed, with both audio and control jumpers between them to provide access to the central source components. A DSY-803 Daisy-Chain Assembly providing connections for these jumpers must be installed in all except the last GFB-800. The connection between these boards and the GFB-800s in which they are installed is made by both card-edge connectors and "ribbon cables".

1. Begin installation by unplugging the GFB-800 and removing its cover.
2. Remove the four screws in the rear panel which hold the blank panel on the far left. Retain the screws and discard the blank panel.

3. Carefully position the DSY-803 Daisy-Chain Assembly over the card-edge connectors within the main unit and press it down firmly until it is fully seated. (Note that the stabilizing bar which ensures the positioning of the other boards does not extend to this board. Be particularly careful that the card-edge connector is inserted as far as possible.)
4. Carefully open the two white ribbon-cable connectors on the INPUT SIGNALS board. They are located on the end of the board toward the front of the GFB-800, away from the back-panel external connections (see figure 1). While maintaining the orientation of the ribbon cable as it is connected to the jumper board, insert the two lower cables into the larger, lower connector on the INPUT SIGNALS board, and the topmost cable into the smaller, upper connector. Be sure that each wire of the ribbon cable is fully inserted and makes proper contact. Snap closed the retaining bars while holding the cables in their contacts.
5. Attach the clip located in the middle of the ribbon cable to the end of the stabilizing bar running across the tops of the other boards.
6. Reinstall the four screws which formerly held the blank panel. Replace the GFB-800's cover. (Connection of daisy-chained GFB-800s is explained below.)

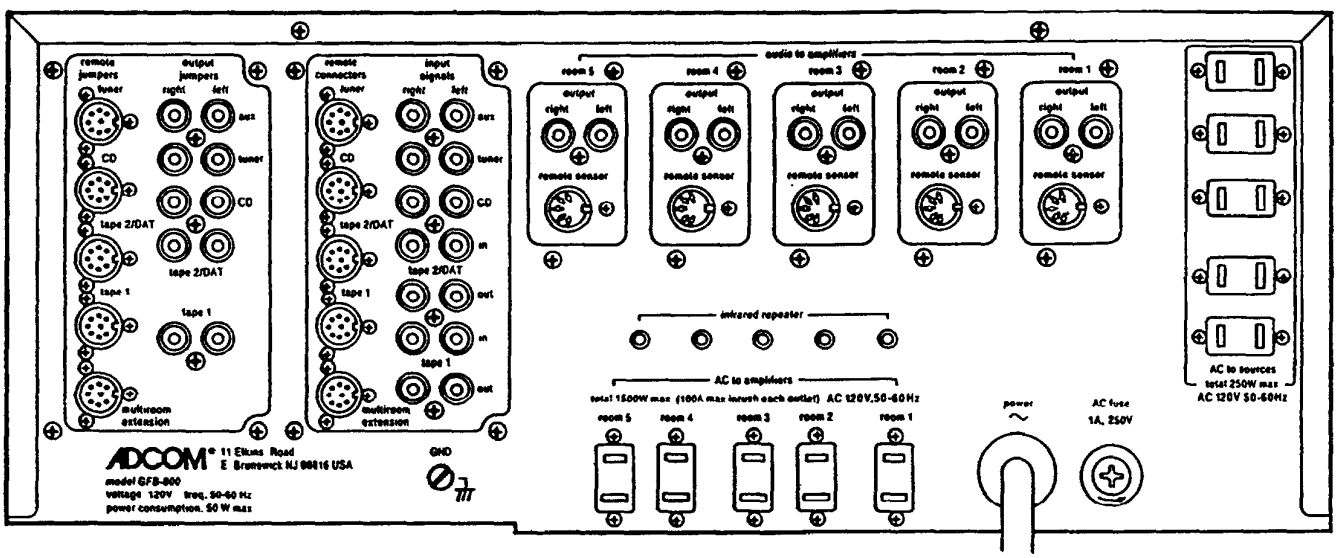


Figure 3. GFB-800 Rear Panel

CONNECTING THE GFB-800

CONNECTING ADCOM REMOTELY CONTROLLABLE SOURCE COMPONENTS

CAUTION

Before making any alterations to the configuration of the GFB-800, DISCONNECT IT FROM THE MAIN AC POWER, and ensure that all equipment connected to it is powered down as well.

The performance of the GFB-800 depends on the quality of its interconnection with its associated equipment. The input and output signal connections should be made only with high-quality, low-loss audio cables. LEFT and RIGHT jacks are clearly labeled on the rear panel.

The connection of ADCOM source components, such as the GCD-575 CD Player or GFT-555II Tuner is very straightforward.

1. The source component's output jacks are connected to the GFB-800's corresponding input jacks marked INPUT SIGNALS.
2. The DIN jack on the source component is connected to the GFB-800's corresponding DIN jack labeled REMOTE CONNECTORS.
3. The source component's power cord is plugged into any of the outlets on the back panel of the GFB-800 marked AC TO SOURCES.

CONNECTING A PHONO TURNTABLE

To use an analog turntable with the GFB-800 requires the installation of the optional PHO-802 phono preamp board (See INSTALLING THE PHO-802 PHONO PREAMP BOARD). Once the PHO-802 board is installed, the inputs previously marked AUX are then usable with any standard high-output moving-coil or moving-magnet phono cartridge. The same two RCA jacks which were originally labeled AUX will now accept the common RCA plugs, one for each channel, left and right, usually supplied at the ends of the turntable's cables. LEFT and RIGHT inputs are clearly labeled. Determine the exact color coding or markings on the turntable's cable for left and right channels in order to insure the correct connections.

The phono preamp's circuitry in the PHO-802 board is designed to accept the signal from any high-output moving-coil, moving-magnet, induced-magnet, moving-iron or variable-reluctance cartridge, the output from which is rated at 2.2mV/centimeter or higher. The electrical input impedance characteristics of the phono circuit are the standard 47,000 ohms with 100pf shunt capacitance. ADCOM high-output moving-coil cartridges, for example, are ideally suited for use with this phono preamplifier. Low-output moving-coil cartridges which normally require a pre-preamplifier (sometimes referred to as a "head-amp"), or step-up transformer, must have these auxiliary devices connected before the RCA jacks feeding the input to the PHO-802 board. A pre-preamplifier, or step-up transformer provides the additional gain required by very-low-output moving-coil cartridges to operate with a standard phono preamplifier. A pre-preamplifier, or step-up transformer, is not necessary, and must not be used, with high-output moving-coil cartridges or moving-magnet, induced-magnet, etc. cartridges. If you are uncertain as to which type of cartridge you will be using, please consult the instruction manual or specification sheet which is included with the cartridge, or contact the dealer from whom you purchased the cartridge, or the cartridge manufacturer.

Some turntables are supplied with a separate ground wire, which must be connected to ground, to reduce hum. If the turntable is provided with this separate ground wire, simply connect it to the GND screw on the rear panel of the GFB-800 directly below the INPUT SIGNALS board.

CONNECTING OTHER SOURCE COMPONENTS

Source components not manufactured by ADCOM or ADCOM components without dedicated remote connectors for the GFB-800 are connected as follows:

1. The source components' output jacks are connected to the GFB-800's corresponding input jacks marked INPUT SIGNALS. **Please remember, if the optional PHO-802 Phono Preamp Board is installed, only a phono cartridge can be connected to the AUX inputs.** Otherwise, any high-level input may be connected to any of the source inputs.
2. The source components' power cords are plugged into the outlets marked AC TO SOURCES.

The **inputs** of recording devices such as cassette decks, DAT decks, and VCRs are connected to either of the GFB-800's tape output connections, marked TAPE 1 OUT and TAPE 2/DAT OUT.

NOTE

The presence of DIN jacks on components from manufacturers other than ADCOM does not imply compatibility. Under no circumstances should connection be made to any jack on the GFB-800 unless the exact function of each pin of the connector is explicitly understood.

ROOM CONNECTIONS

Each room which is to be controlled independently requires an amplifier, speakers, and at least one remote sensor. Several rooms can be controlled together, however, if powered by the same amplifier. If control is to be possible from all of the rooms in such a common zone, remote sensors must be placed in each and daisy-chained together. A maximum of 3 sensors may be chained to any one room remote-sensor input.

IMPORTANT

When the GFB-800's front-panel ROOMS selector is in the ALL position, the remote volume control changes the sound level in all rooms simultaneously. For this reason, all the amplifiers in the system must be matched with regard to input sensitivity. Employing ADCOM amplifiers throughout fulfills this requirement.

The determination must be made as to whether the SPM-500II switch-plate mount remote sensor, the XR-500II remote sensor, or a combination of the two, is appropriate for the room to be connected. SPM-500II sensors may be installed in standard steel boxes, and can be covered with the switch plates provided, or with any other standard plate matching the surrounding decor. The free-standing XR-500II sensors can be easily mounted on a wall as well.

A large or irregularly-shaped room may require more than one sensor for control to be possible from every point in the room. Care should be given to the placement of the remote sensors to ensure that the widest possible area is within their range of sensitivity, and that the area covered includes all those locations most likely to be the sources of remote commands.

1. Connect the amplifier for the room or zone to the respective room output jacks indicated by the label AUDIO TO AMPLIFIERS.
2. Connect the OUT jack of the room's remote sensor to the corresponding DIN connection on the the GFB-800 labeled REMOTE SENSOR, below the amplifier outputs. Be sure that the cable connecting the GFB-800 to the remote sensor is connected to the jack labeled OUT on the back of the sensor. A daisy-chain is created by connecting the OUT jack of an additional sensor to the IN jack of the sensor already connected. Up to three sensors can be daisy-chained in this way.
   The SPM-500II does not have a DIN connector; use an ADCOM 5XMS-48 cable, or construct a cable using the DIN plug included with the SPM-500II. The stripped ends of the conductors are inserted into the SPM-500II as indicated on its label, and secured with set screws. Consult the more complete instructions which are included with the SPM-500II before installation is attempted.

CAUTION

EXTREME CARE MUST BE TAKEN TO ENSURE THAT THE SPM-500II IS NOT CONNECTED TO, OR BROUGHT IN CONTACT WITH, AN AC LINE.

The SPM-500II is designed to be flush mounted in an empty, new terminal box, similar to that used for a wall switch. The SPM-500II MUST NOT BE INSTALLED in a terminal box where a switch or outlet has been removed or where AC wiring is present. The SPM-500II must be installed only in an unused box which has been wired with cable as recommended above and in its accompanying instructions.

THE SPM-500II MUST NOT BE INSTALLED IN ANY TERMINAL BOX WHICH IS IN ANY WAY GROUNDED.

3. Connect the power cord of the amplifier to the corresponding room outlet under the label AC TO AMPLIFIERS. A room's amplifier is energized only when the remote ROOM ON command is given, or when the ALL ON command is given either remotely or at the GFB-800's front panel.

IMPORTANT

When the GFB-800's front-panel ROOMS selector is in the ALL position, or when the ALL ON command is given, all the amplifiers connected are powered-on simultaneously. The branch circuit into which the GFB-800 is plugged must be able to handle the initial inrush current, or the fuse on the incoming AC service panel may blow.

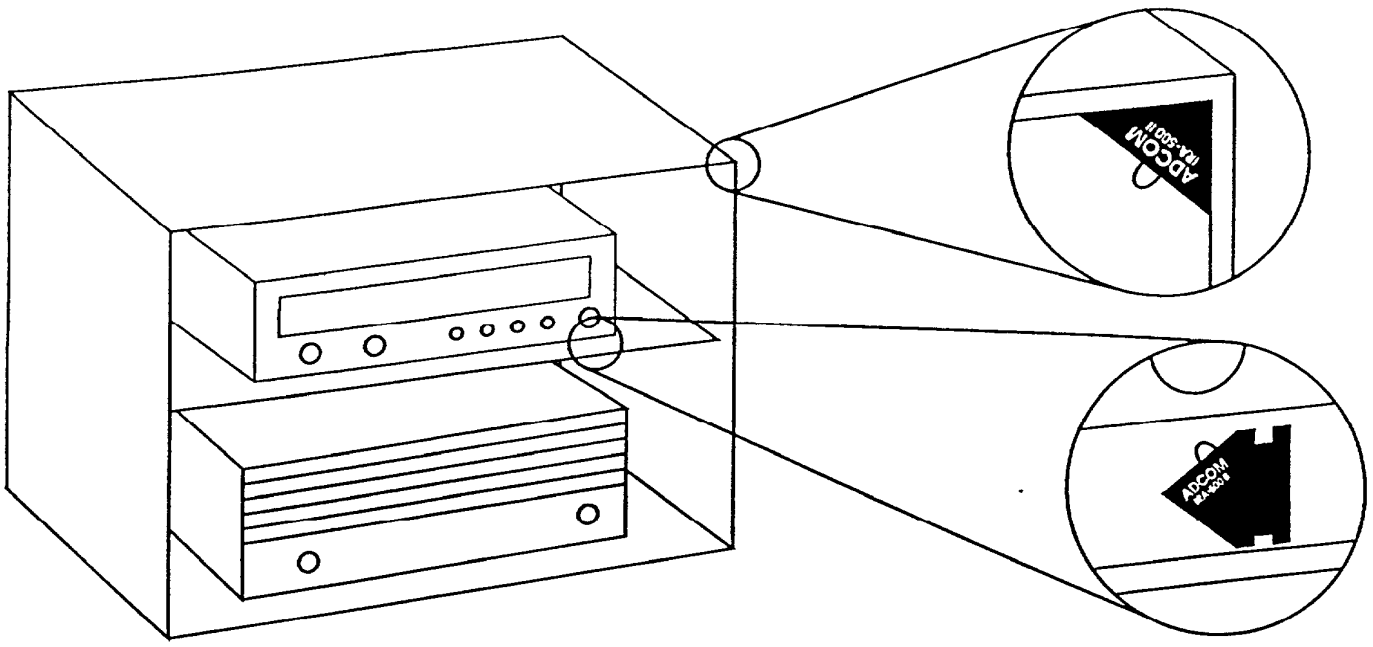


Figure 4. Examples of mounting locations for the IRA-500II Infrared Repeater Assemblies

CONNECTING THE ADCOM IRA-500II INFRARED REPEATER ASSEMBLIES

The ADCOM IRA-500II Infrared Repeater Assemblies allow control signals not directly interpreted by the GFB-800 to be transmitted through the remote sensors directly to the desired source component. Any infrared signal received by one of the remote sensors is mimicked, or "repeated," by all IRA-500II Infrared Repeater Assemblies connected to the system. (This is true even when the GFB-800 is in the STAND BY mode.) If an IRA-500II is placed within the range of the sensor of a remotely controllable component, the command is received exactly as if the hand-held remote transmitter itself had been within range. This allows the user to remotely control any components which respond to infrared control, even if they were not specifically designed to work with the GFB-800. It also allows the full utilization of remotely controllable ADCOM components with features that are not accessible through the GFB-800's remote transmitter.

The IRA-500IIs are connected to the jacks labeled INFRARED REPEATER and placed in front of the components to be controlled. The IRA-500IIs are designed to cover a wide area, and are capable of controlling several different components. Their triangular shape facilitates installation in the corner of a cabinet, but is suitable for the middle of a flat surface as well. The two different adhesive pads provided allow it to be mounted upright or on either of its sides. Figure 4 illustrates two of the many possible mounting locations. Some experimentation before final installation is advisable, as different components will have different tolerances for the distance and angle of the repeater, and in some cases the locations of the infrared sensors are not immediately obvious.

CONNECTING THE DSY-803

If you require more than five rooms to be controlled independently, you will need additional GFB-800s (up to a total of three) daisy-chained together. Interconnection is made possible by the installation of the DSY-803 Daisy-Chain PCB in all but the last GFB-800 in the chain. The source components are connected to the first GFB-800 (through the INPUT SIGNALS board), and then through the DSY-803, via output jumpers which will provide the input signals to the GFB-800s further down the chain. Control signals flow in the opposite direction, from rooms connected to the downstream GFB-800s, to the components connected to the first GFB-800 via the remote jumper cables. The installation of the DSY-803 Daisy-Chain assembly is described above in the section INSTALLING THE DSY-803 DAISY-CHAIN ASSEMBLY.

1. Install DSY-803 boards in the required number of GFB-800s. If six to ten rooms are to be controlled independently, two GFB-800s are needed and one DSY-803 is installed in the first or "master" GFB-800. If eleven to fifteen rooms are desired, three GFB-800s will be required and two DSY-803s are installed; one in the first or "master" unit, another in the second or "slave" unit.
2. All the source components (tuners, CD player, cassette deck, etc.) are connected to the first GFB-800 only. The first GFB-800 must have a DSY-803 installed to permit the signals to be distributed to the second or "slave" GFB-800. The second or "slave" unit will then distribute the input signals to a third GFB-800 through an additional DSY-803 installed in the second, "slave" unit. Connect the source components as described in the other sections above.

3. To connect the first GFB-800 to the second, "slave" unit, the jacks marked OUTPUT JUMPERS on the DSY-803 (installed in the first GFB-800) are treated just like the output jacks on the source components. Simply connect the RCA jacks on the OUTPUT JUMPERS board marked LEFT and RIGHT, for whatever source components are being used (AUX, TUNER, CD, etc.), to the corresponding LEFT and RIGHT jacks on the INPUT SIGNALS board on the second or "slave" GFB-800. Please be certain to observe the correct left and right connections so that the channels will not be reversed in the additional rooms being controlled by the second, or "slave', GFB-800.
4 Connect the DIN jacks under the REMOTE JUMPERS label, marked TUNER, CD, etc., to the corresponding DIN jacks on the second, or "slave", GFB-800 under the REMOTE CONNECTOR label of the INPUT SIGNALS board. Be certain that the REMOTE JUMPERS and REMOTE CONNECTOR DIN jacks are properly mated (that is, TUNER to TUNER, CD to CD, TAPE2/DAT to TAPE2/DAT, TAPE1 to TAPE1 and MULTIROOM EXTENSION to MULTIROOM EXTENSION). Connections are necessary only for source components actually in use. The REMOTE JUMPERS and REMOTE CONNECTOR DIN jacks do not need to be connected if components for these sources are not being used. However, the MULTIROOM EXTENSION DIN jacks must always be interconnected.
5. If three GFB-800s are to be used (that is, one "master" unit and two "slaves", the second or "slave" unit must have a DSY-803 installed also. The third and also "slave" GFB-800 is then connected to the second "slave", just as the first two GFB-800s were interconnected. No DSY-803 is necessary in the last GFB-800 in the chain, as the source signals are not distributed beyond this unit.
6. Room connections, using the XR-500II or SPM-500II, are made to the second and/or third "slave" units in the same way described above in the section ROOM CONNECTIONS. That is, any "slave" GFB-800s are connected to their respective rooms in the same way that the first, original, or "master" unit was connected to its individual rooms.

CARING FOR THE GFB-800

Great care has been taken by ADCOM to assure that the GFB-800 is as flawless in appearance as it is electronically. The front panel is a heavy-gauge, high-grade, anodized-aluminum extrusion, bead-blasted for durability. The chassis, top cover and rear panel are of heavy-gauge steel, both painted and baked. If the front panel, top or sides should become dusty or fingerprinted, they can be cleaned with a soft, lintless cloth, slightly dampened with a very mild detergent solution.

NOTE

DO NOT SPRAY OR USE LIQUIDS OF ANY KIND ON THE SURFACES OF THE GFB-800

SERVICING

ADCOM has a Technical Service Department to answer questions pertinent to the installation and operation of the GFB-800. In the event of difficulty, please contact us for prompt advice. If the problem cannot be resolved through our combined efforts, we may refer you to an authorized repair agency, or authorize return of the unit to our plant. To aid us in directing you to a convenient service station, it would be helpful if you indicate which major city is accessible to the installation site.

Please address mail inquires to:
ADCOM Service Corp.
11 Elkins Road
East Brunswick, New Jersey 08816

For telephone inquiries call:
Monday through Friday
9AM to 4PM Eastern Time
(908) 390-1130

For Fax inquiries: (908) 390-9152; please include a return fax number for the reply.

When calling or writing about the GFB-800, be sure to note and refer to its model and serial numbers as well as the date of purchase and the dealer from whom it was purchased. In the event that the unit must be returned to our plant for service, you will be instructed as to the proper procedure when you call or write for a Return Authorization.

UNDER NO CIRCUMSTANCES SHOULD THE GFB-800 BE SHIPPED TO OUR PLANT WITHOUT PRIOR AUTHORIZATION, OR PACKED IN OTHER THAN ITS ORIGINAL CARTON AND FILLERS.

If the original shipping carton and its fillers have been lost, discarded, or damaged, a duplicate carton may be obtained from our Service Department for a nominal charge. Inquire as to the procedure when requesting a Return Authorization.

Always ship PREPAID via United Parcel Service (UPS) or other approved carrier. DO NOT SHIP VIA PARCEL POST, since the packing was not designed to withstand rough Parcel Post handling. FREIGHT COLLECT SHIPMENTS CANNOT BE ACCEPTED.

SPECIFICATIONS

Output Impedance	
Rooms Output	100 ohms
Tape Output	475 ohms
Daisy-Chain Output	475 ohms
Output Level (Rated)	
Rooms Output	2.0V
Tape Outputs	2.0V
Output Level (Maximum)	
Rooms Output	≥7.5V
Tape Outputs	≥7.5V
Frequency Response (±0.5dB)	
High Level	5Hz-50kHz
Phono	5Hz-50kHz
THD+Noise (@ Rated Output, 20Hz-20kHz)	
High Level	0.03%
Phono	0.06%
IMD (SMPTE, @ Rated Output)	
High Level	0.07%
Phono	0.07%
Signal-to-Noise (@ Rated Output, "A" Weighted)	
High Level	≥100dB
Phono	≥95dB
Input Impedance	
High Level	100,000 ohms/100pF
Phono	47,000 ohms/100pF
Input Sensitivity (@ Rated Output, 1kHz)	
High Level	310mV
Phono	3.5mV
RIAA Accuracy (20Hz-20kHz)	±0.1dB
Crosstalk (1kHz @ Rated Output)	-90dB
Separation (1kHz @ Rated Output)	≥85dB

GENERAL

Power	120VAC/50-60Hz
Power Consumption	50 watts max.
Chassis Dimensions	17" (432mm)x16-1/8"(410mm)x6½"(165mm)
Maximum Dimensions	17" (432mm)x17-1/8"(435mm)x7¼"(184mm)
Weight	24lbs. (10.9kg)
Weight, Packed	28lbs. (12.7kg)

Specifications subject to change without prior notice.

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