

**ADCOM
SPEAKER
SELECTOR
GFS-3/GFS-6**

WARNING

The following information is for your own safety and well being.
(required by Underwriters Laboratories, Inc. UL 1270, Sec. 65)

READ INSTRUCTIONS

All safety and operating instructions should be read before this unit is operated.

RETAIN INSTRUCTIONS

Retain this notice and the owners manual for future reference.

HEED WARNINGS

All warnings and cautions on the unit and in the owners manual should be adhered to.

FOLLOW INSTRUCTIONS

All operating and use instructions should be followed.

WATER OR MOISTURE

This unit should not be exposed to water or moisture. For example, near a bathtub, in a wet basement or near a swimming pool.

VENTILATION

This unit should be situated so that its location or position does not interfere with its proper ventilation. Be sure that at least $\frac{1}{2}$ " of space is provided above or below all ventilation holes.

HEAT

This unit should be placed away from other heat producing products and adequate ventilation should be provided.

CLEANING

The unit can be cleaned using a soft cloth dampened with a solution of liquid detergent and water. Under no circumstances should a lye solution or an abrasive cleaner such as scouring powder be used on any part of the unit.

OBJECT OR LIQUID ENTRY

Care should be taken so that objects do not fall and liquids are not spilled into the unit through ventilation holes.

DAMAGE REQUIRING SERVICE

The unit should be serviced by a qualified service agency when:

- A) Objects have fallen, or liquid has been spilled into the unit; or
- B) The unit has been exposed to rain; or
- C) The unit does not appear to operate normally or exhibits a marked change in performance; or
- D) The unit has been dropped, or the enclosure damaged.

SERVICING

You should not attempt to service the unit beyond that described in the owners manual. All other servicing should be referred to a qualified service agency.

ADCOM GFS-3/GFS-6 OWNERS MANUAL

WELCOME

Please read these instructions carefully before connecting this device to your system. If connections are made incorrectly you may short-circuit and damage your amplifier!

This ADCOM speaker switching system has been designed to be the best product in the world for its purpose, and offers many uniquely valuable features not available in other speaker switches:

- Capable of switching systems up to 200 watts per channel.
- Heavy duty components designed for long life.
- Independent selection of up to 3 pairs of speakers (GFS-3) or up to 6 pairs of speakers (GFS-6).
- Massive load resistors provide protection for your amplifier when driving multiple speaker systems.
- High quality circuit board construction with wide signal path for minimum signal loss.

INITIAL HOOK UP

IMPORTANT: THE HOOK UP PROCEDURE SHOULD ONLY BE MADE WITH AMPLIFIER POWER OFF.

The speaker selector is designed to be wired between your amplifier or receiver and your speakers. The first connection to be made is from the **speaker output** terminals of your amplifier and the **amplifier input** terminals on the rear panel of the selector.

Use only new wire (old wire may be corroded and not give satisfactory results). Wires should have some means of identifying polarity: one side of the insulation will be ridged, or wire will be of two different colors. In general, heavier wire will give better results than thin wire, especially for high-power systems and when long wiring distances to the speakers are required. Do not use less than 18 gauge wire (the 20 and 22 gauge wire widely sold on spools as "speaker wire" is not adequate). Even heavier wire (16 gauge) is recommended when feasible and well worth the slight additional cost. You may also use one of the several good brands of specialty speaker wires (e.g. Monster Cable, Kimber Cable, Live-Wire, etc.).

As a rule "+" goes to RED terminals and "-" to BLACK terminals. Left Channel is Ch. A and Right Channel Ch. B when such indications are used.

Next hook up each speaker pair to the pairs of terminals marked "1", "2", "3", etc. as appropriate, making sure to observe Red-Black polarity as well as Right-Left. The figure below shows the correct wiring of a single set of speakers. Additional pairs of speakers should be connected in the same manner to the terminals corresponding to speaker "2", speaker "3", etc.

HOW TO USE THE GFS-3 OR GFS-6

The ADCOM selector designed to switch among 3 or 6 independent speaker systems, depending upon which model was chosen. Each system or pair may be rated (typically) at either 4 or 8 ohms impedance and each channel may be driven at any reasonable power level up to its rated power handling limit. Keep in mind that few home speaker systems have sufficient power handling capacity to accept the full output of today's most powerful amplifiers.

To operate a speaker system, just depress the button that corresponds to that pair of speakers. When using more than one pair of 4 ohm speakers, more than two 8 ohm pairs, or a combination of both 4 and 8 ohm speakers, the "PROTECTION" button should be depressed if your amplifier is not designed to operate into impedances below 4 ohms. This unique protection device is designed to protect your amp from the very low impedances that are the consequence of wiring multiple pairs of speakers in parallel to one amplifier or receiver.

When switching among multiple pairs of speakers, the "PROTECTION" button need only be depressed when using multiple speakers at the same time. When listening to one pair of speakers at a time use of the "PROTECTION" circuit is not desirable. Remember that the "PROTECTION" mode is intended for amplifier protection and not speaker protection. The "PROTECTION" mode is not recom-

mended for use at **extremely** high listening levels for lengthy periods because distorted peaks in the musical program cause excessive heat to develop within the components of the speaker selector. When operating normally, the selector is **cool** to the touch. It may become **warm** when using the "PROTECTION" circuit at high power levels. Should the selector show signs of becoming **hot**, reduce the amount of power being used through the "PROTECTION" circuit immediately to prevent overheating. Do not obstruct the ventilation holes-adequate ventilation of this device essential.

SPECIAL NOTE

Because of the exceptional stability of its design, the ADCOM GFA-555 power amplifier can be operated with multiple speakers and into low impedance loads with greater success than other amplifiers of less advanced design.

QUESTIONS?

If you have any further questions about how to use the GFS-3 or GFS-6 with your system please feel free to call or write us:

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