

**ADCOM
TUNER
GFT-1**

ADCOM GFT-1 OWNERS MANUAL

WELCOME

Your Adcom GFT-1 digital tuner represents a high performance concept in tuner design. Thorough rethinking of the concepts has resulted in a design with superior performance, yet available at a reasonable price. Such a product from Adcom is only natural. Throughout its many years in audio, Adcom has always been associated with state-of-the-art components utilizing advanced technology and realistic cost designs. Its innovation and technology have expanded into such varied areas as record care products, speaker systems, and phono cartridges (most recent of which is the new high output (Crosscoiltm) moving coil cartridge).

This manual represents the same kind of innovative thinking reflected in other Adcom products. We have written it to reflect the kinds of questions and problems you might encounter in enjoying the full benefits of your Adcom GFT-1 tuner. We ask that to enjoy the maximum from this truly unique product, you thoroughly read this owners manual before turning it on. (For those in a hurry, please read Sections 1 through 4).

SECTION 1 WHAT TO DO WHEN YOU OPEN THE BOX

Before each GFT-1 left the factory, it was carefully inspected for physical imperfections as a routine part of Adcom's systematic quality control. This, along with full electrical testing, should ensure a product flawless in both appearance and performance.

After you have unpacked the tuner, inspect it for any physical damage.

Save the shipping carton and all packing materials as they are designed to reduce to a minimum the possibility of transportation damage.

In the unlikely event that damage has occurred, immediately notify your dealer and request the name of the carrier so that a written claim to cover the damages can be initiated.

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

SECTION 2 WHERE TO PUT IT (AND WHERE NOT TO)

Adequate ventilation will extend the trouble-free life of your tuner. The unit may be mounted either horizontally or vertically. However, it should not be totally enclosed with other heat producing components. The rack mount sides allow the GFT-1 to be installed in a 19 inch wide rack. The product can be supported by the rack handles alone, however, if extensive traveling is going to occur, rear or side supports should be used.

SECTION 3 WHERE (AND HOW) ALL THE WIRES GO)

The GFT-1 is like any other fine tuner. Its ultimate performance relies on the quality and set-up of the FM antenna, and of course the quality of the audio cables. Please read this section carefully, the time invested will be directly returned in improved sound quality. Remember, whenever rear panel connections are being made, the GFT-1 and all associated components should be switched off.

OUTPUTS - Using the high quality stereo cable provided, connect the CH A and CH B jacks of your GFT-1 to the appropriate inputs marked "tuner" or "aux" on your control amplifier or preamplifier.

ANTENNA - Once the above connections have been made, the unit is operable; however, both the AM and the FM antennas play a critical role in the overall quality of reception and we strongly suggest that you take the time to adjust them correctly.

FM Antenna - Your GFT-1 is provided with a folded dipole antenna. Before this unit is plugged in, connect this antenna to the terminals marked "300 Ohms" on the rear of your tuner. Once the GFT-1 has been plugged in, switched on and tuned to a desired FM station, adjust the dipole antenna by moving it around to obtain the best quality signal from that particular station. As you tune from station to station, you may need to reorient this antenna.

Although basic, the folded dipole is an extremely sensitive antenna which allows for the reception of a large number of available FM stations with your tuner. Should you find that the dipole is not adequate for your reception needs, please contact your dealer to obtain further information about the variety of antennas that will provide the performance characteristics you require.

You may find in your listening areas that many stations tend to have a harsh high end where the "s's" at "t's" sound distorted. This phenomenon is a result of the tuner receiving

both direct and delayed signals from the station (same as "ghosting" on T.V.). The delayed signals are reflections off of buildings, mountains and even passing aircraft. To correct this condition, it may be necessary to obtain a much more directional antenna than the dipole. This type of antenna will permit you to single out the strongest signal for reception and ensure that the delayed signals will not interfere with the sound quality of your tuner.

Antennas used with FM and TV receivers fall into two basic categories: those that require 300 Ohm termination, and those requiring 75 Ohm termination. The GFT-1 provides input terminals for either of these systems. The cable used in a 300 Ohm system is denoted by a flat appearance and sometimes in its highest quality form is available with two inner conductors and a shielded ground.

The 75 Ohm system is characterized by a round cable (co-axial). When a 75 Ohm system is used the ends should be prepared so that the center lead protrudes from the surrounding shielding and insulation and the metal shielding itself should protrude from the outer insulation. This will allow it to be used with the 75 Ohm terminals on the back of the GFT-1.

AM - The GFT-1 comes with a movable ferrite core antenna for AM reception. This is the bar that protrudes from the rear of the GFT-1. Simply moving it away from the unit will provide extremely high quality AM reception. Should you find in your signal area that even with this highly sensitive bar antenna, you are not receiving adequate AM reception, you may make your own AM antenna. This is accomplished by taking one end of a single insulated wire and running it to the highest spot on your rooftop and connecting to the AM terminal. Running another insulated wire from the ground terminal and attaching it to a good ground such as the center screw on your AC outlet or a water pipe may also be helpful.

AC CONNECTIONS - With the power switch in the off position, plug the line cord into any outlet furnishing 105 to 125 Volts, 50 to 60 Hz.

HOW THE CONTROLS WORK

POWER - the power switch supplies power to the tuner. The GFT-1 frequency readout will come on when this switch is depressed. If this does not occur, either power is not being supplied to the tuner or the AC line fuse is blown. (If blown, refer to general

maintenance section of this manual.)

FM/STEREO/AM indicator - these LED's indicate which mode the tuner is in, either FM, in which case the digital readout will display in MHz (millions of cycles) or AM where the GFT-1 displays in kHz (thousands of cycles). In the FM mode if the GFT-1 is receiving a stereo signal the STEREO LED will light to indicate this.

MANUAL/AUTO - this switch selects the tuning mode. Manual (switch in) allows the tuner to stop at every 0.1MHz whether there is a station there or not. And if either tuning button is continuously depressed, the tuner will count in that direction until either the button is released or the tuner reaches its end of scale. In the AUTO mode, touching either tuning button will cause the tuner to search in that direction until it senses a station and then will stop and lock on that station.

DISPLAY (frequency) - the LED numeric readouts display the tuned frequency, whether AM or FM is indicated by FM/AM indicator. (Under rare conditions when the tuner is first turned on, a non-FCC number may appear in both AM and FM, this is the synthesized tuners standby position, it will disappear once you tune or select a memory.)

TUNING - the two buttons select whether you wish to tune upscale (higher numbers) or down scale.

MEMORY - the GFT-1 provides memory for 6 AM and 6 FM stations. To store a station in memory:

1) Tune to the desired station, 2) press the enter button, (its indicator should light to show it is ready to store) then, 3) press the desired memory location.

NOTE - the GFT-1 will maintain memory as long as power is supplied to the AC plug. This is independent of whether the unit's power switch is on or off. Should AC power be interrupted, memory will be lost in 48 hours.

SIGNAL STRENGTH - this display indicates the relative signal being received by the GFT-1. The higher the number, the better the signal. You should orient your antenna for strongest reception.

HIGH BLEND - FM stereo signal has a unique property in that the majority of noise is out-of-phase. This blend switch reduces the high frequency separation between the left and right channels and by doing so reduces the noise without sacrificing fidelity.

REC CAL - this record calibration switch provides a tone at the output that is exactly equivalent to 50% modulation (the loudest signal an FM station can broadcast). This tone is used to set the level on your tape recorder for off the air recording. Your recorder should be adjusted to show 0Vu with this tone. Then when you record off of a station you will have the confidence of knowing the signal will not overload your recorder.

MUTE - The GFT-1 provides a muting circuit to reduce interstation noise which occurs as you tune from station to station on FM. The mute will also not allow very weak stations to be received. Should you desire to listen to such a station, depressing this switch will defeat the mute and since such weak signals cannot provide good stereo performance, the GFT-1 automatically switches to mono at the same time.

AM/FM - this switch selects AM or FM reception from the GFT-1. Proper selection is indicated by the FM/AM display.

SECTION 4 THE CARE AND FEEDING OF YOUR GFT-1

Great care has been taken by Adcom to assure that your tuner is as flawless in appearance as it is electronically. The panel is finished with a high grade black anodized aluminum, chosen for its durability as well as its beauty. If it should become finger-printed or smeared, it can be cleaned best by using a soft cloth dampened with a solution of LIQUID detergent and water.

UNDER NO CIRCUMSTANCES SHOULD A STRONG OR ABRASIVE CLEANER SUCH AS SCOURING POWDER OR OVER CLEANER BE USED ON ANY PART OF THE TUNER.

The tuner is protected by a line fuse on the rear panel. When power is switched on and the digital display on the front panel does not illuminate, shut off the tuner, unplug the AC line cord from the power source, and check the line fuse.

If the fuse has opened, replace it ONLY with a fuse of equal value.

Replacement with an incorrect fuse or one of higher current rating will not protect the tuner and will void the warranty. If after replacing the fuse, it blows immediately, an electronic component failure must be suspected. No further attempts to replace the fuse should be made.

SECTION 5 IF YOU HAVE A PROBLEM OR QUESTION

Adcom has a Technical Service Department to answer all questions pertinent to the installation and operation of your unit. Please feel free to write us in the event of any difficulty, and we shall endeavor to offer prompt advice.

If your problem cannot be resolved through our combined efforts, we may wish to refer you to a nearby authorized repair agency or we may prefer to authorize return of your unit to the factory. To aid us in directing you to a convenient service station, it would be helpful if you indicate which major city is accessible to your home.

Please address inquiries to:

Adcom Technical Service Department

EAST: 9A Jules Lane

WEST: 1721 Newport Crl.

New Brunswick, NJ 08901

Santa Ana, CA 92705

(201) 828-8590

(714) 966-2628

Be sure to include the serial number of your unit, date of purchase, and name and address of dealer.

In the event it must be returned, an authorization form and proper packing instruction will be forwarded to you. This authorization form **MUST BE RETURNED** with your unit.

UNDER NO CIRCUMSTANCES SHOULD YOUR UNIT BE SHIPPED TO THE FACTORY WITHOUT PRIOR AUTHORIZATION, OR WITHOUT ORIGINAL PACKING CARTON AND FILLERS.

If the original shipping carton has been lost or discarded, or if the carton is not in good condition, a duplicate carton may be obtained from our Service Department for a nominal charge.

Always ship prepaid via recognized surface or air freight carriers. Suggested carriers will be listed with the Return Authorization. Do not ship via Parcel Post, since the packing will not withstand rough mail handling. **ALL PARCEL POST SHIPMENTS WILL BE REFUSED. COLLECT SHIPMENT CANNOT BE ACCEPTED.**

SECTION 6 ADCOM PROTECTION PLAN (U.S.A. ONLY)

In order to keep the selling price of your GFT-1 tuner at the lowest possible level, Adcom offers the enclosed one year **LIMITED WARRANTY** at no additional cost, and an optional two year extension service agreement (total three years) for a modest additional fee.

Please read the details carefully to understand fully the extent of the protection offered by our warranty, its limits, and what responsibilities are required of you in order to obtain its benefits.