

Outdoor Omni Rock Speaker Models GS50 & TFS50 Subwoofers



TIC Outdoor OmniSpeakers Feature

- Weatherproof Design
- True 360° *passive* Subwoofer Sound
- In-ground or surface mount
- Full range 250W sub woofer speaker drivers
- 8" subwoofer drivers
- 2x satellite speaker capability
- Teflon® sealed
- 8 Ohm Impedance to 2x 4Ω running satellittes
- 70v optional for Commercial Installations
- 1m 14/2 Dbl. Insulated tail
- TFS50: Canyon, Slate or White Granite finishes
- GS50: Unobtrusive shrub green finish

For your records...

Manufacturers Name: **TIC Corporation**

TIC Model Number: _____ Serial Number: _____

Dealers Name: _____ Dealers Contact: _____

Purchase Date: _____ Invoice/ Receipt Number: _____

We recommend you keep your sales receipt and warranty card together with this owners guide for safe keeping and future reference.

This TIC Product Conforms to all applicable:



One World, TIC Recycles



Index...

Introduction	3
Component List	4
Pre-Installation	4
Connection Cable	5
Exterior Installation	5/6
Maintenance	7
Customer Service	7
Warranty	7
Trouble Shooting	9
Technical Specifications	10

Thank You for purchasing another high quality audio product from TIC Corporation. Please read the enclosed installation guidelines carefully and thoroughly to ensure years of trouble free service from your new TIC exterior audio products.

Carefully unpack your new TIC exterior product and save all packaging materials for possible future use. Check that your new TIC product contains all system parts detailed in the Components list. Do not attempt to operate, install or use your new TIC product if any components appear missing or damaged. If so, please notify TIC Corporation or your TIC Dealer as soon as possible.

!WARNING! to avoid possible suffocation or injury please keep all plastic bags away from children and pets.

Component List...

1x (GS50 or TFS50)	Outdoor Omni Speakers
1x (GS50 or TFS50)	1M 14/2 cable tail (main)
2x (GS50 or TFS50)	1M 14/2 cable tails (sats)
1x	New product offer (enclosed with literature)
1x	Instruction Manual
1x	Warranty Card



Pre-Installation...

Need Professional Help?

Please read this owners guide carefully before installation. Failure to follow these instructions fully or incorrect installation may damage your new TIC products and any third party equipment used in your new system installation. This may also Void any warranty for your new TIC products. If you are unsure of your ability to fully understand and fully complete the installation of this TIC product, please consult a professional installer.

Note: TIC Corporation always recommends that you test your product and its components prior to exterior installation. Test your components near a mains power and, if required, receiver amplifier source somewhere convenient, perhaps inside. Ensure all components are working smoothly and correctly before exterior placement and operation.

Exterior Installation...

Before you begin the installation of your new TIC outdoor product, please carefully select the locations of your new TIC products.



In general;

1. Select a reasonably level surface for the installation of your new TIC outdoor speakers. For surface speakers this will prevent movement or excessive vibration during use. This will also ensure more uniform sound dispersion.
2. Ensure your new TIC outdoor speaker cables or power source if required, can easily reach your new speakers. Some people even pre-lay string as a guide ensuring that there are no obstructions or difficulties such as concrete paths or architectural feature impediments. While most if not all TIC outdoor speakers use and recommend burying the cable lightly 4-6 inches, if the cable is surface mounted you must make sure the cable is placed where it cannot be tripped over, pulled, abraded or crushed.
3. Do not place your TIC outdoor speakers in a depression or area where water pools or in the direct path of sprinklers.
4. Wherever possible avoid long term exposure of your new TIC outdoor speakers to chlorinated solvents, acids such as those often contained in fertilizers and other solvents which have the potential to eventually wear the components prematurely.
5. When installing either burial cable or TIC's in-ground outdoor speakers please be very aware of any submerged plumbing, piping such as sprinklers or irrigation and wiring already in existence.

A note on Speaker Cable;

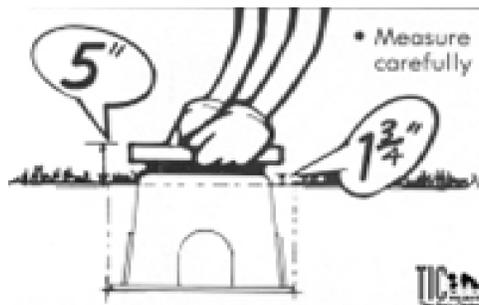
TIC recommends the use of our SPC30, 50 or 100' double insulated high quality speaker cable, however just about any reasonable speaker cable may be used including existing runs that may be in place. For standard 8Ω installations of 10 – 25ft., just about any 16/18 gauge 2 core cables can usually be used although we would prefer a double insulated or burial spec cable be used. For longer runs of 25 – 100ft. 10/14 gauge cable can be used however resistance down the line will become a contributing factor.



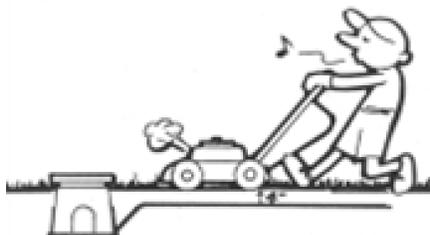
Before actually sinking the cable, run the cable from your unit to the power source or amplifier. Ensure your cable run avoids any obstacles such as sunken sprinkler pipes or piping and electrical cable to your house. Once the cable runs are where you like them, connect your speakers and power source to ensure correct operation before sinking the cable. Disconnect the cable wire at both ends and continue.

An Important note on Polarity!

Pleasure proper polarity when connecting your new TIC outdoor speakers. This is very important and will result in poor sound reproduction and possibly equipment damage if not connected correctly. This is normally avoided by ensuring + to + and – to – or as sometimes color coded Red to Red and Black to Black from your amplified source to your speakers respectively.



Once you have tested your cable run in step 3, it is time to sink the cable. 4-6" of cover is normally recommended to offset accidental disturbance, movement of the earth etc. but your specific onsite conditions will apply. Should you wish to secure the installation of your unit then simply clamp, by way of a "U" spike etc. the cable directly beneath the unit.



Reconnect the speakers and your receiver amplifier being careful to ensure correct "Polarity" matching.

Once connected properly, fill in all trenches, sit back and enjoy!



Disclaimer;

TIC Corporation will in no way be held responsible for the improper or unsecured installation of this product. Any and all damage arising from the installation or use of this product is the purchaser and final installer's sole responsibility.

Maintenance...

Occasional maintenance of your TIC products cannot hurt and may help greatly. Inspect the installation area regularly removing twigs, dirt or particulate matter from impeding or building up around the output grill area. The units may be cleaned using very mild detergents like dishwashing liquid if desired. A hose with clean water may also be used but please avoid using high pressure or forcing water into the grill or acoustic ports.

In very cold climates with moderate to heavy snowfall an old trick from the major theme parks we supply world wide is to place a plastic bag over the unit for the winter or periods it may be not in use or under such snowfall.

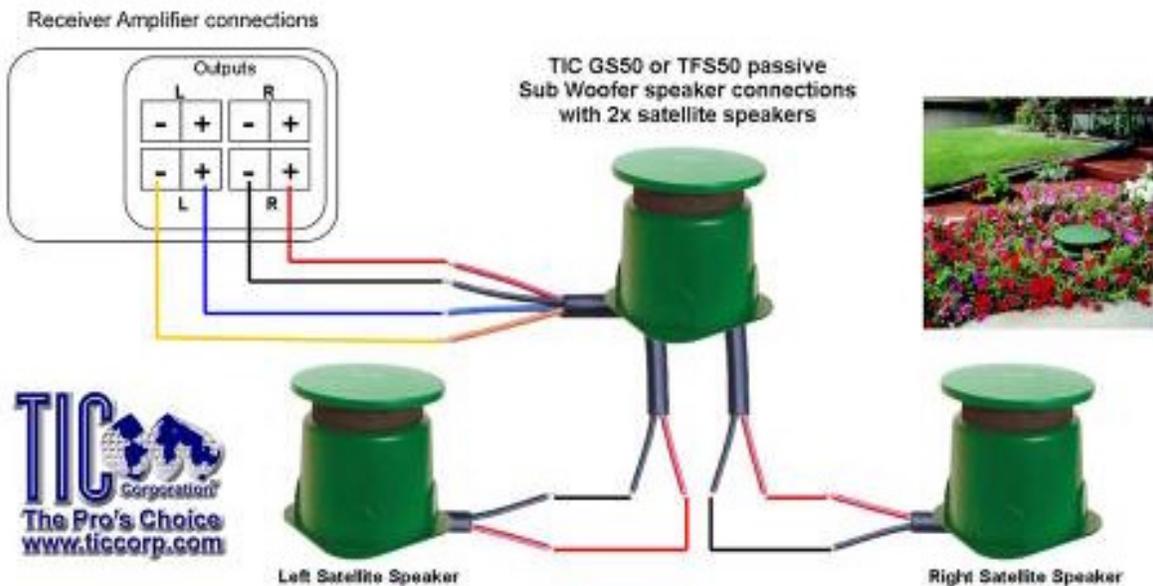
Warranty Period...

TIC Corporation offers a full, UCC approved, one year full parts and labor warranty on all its products as standard however there are other 3 and 5 year warranties in use with various TIC authorized Dealers world wide. Please check your enclosed Warranty card or your Dealer receipt to find out which one applies to you.

Installation Notes...

1. GS50: the TIC Omni subwoofer can be surface mounted however, greater performance is acquired by sinking the unit as described in the instruction booklet.
2. TFS50: the TIC Omni subwoofer is mostly surface mounted however, like the GS50 greater stability and resonance is achieved by sinking the unit. Unlike the GS50 the TFS50 need only be sunk a couple of inches to achieve optimum performance.
3. GS50 & TFS50: both units are TIC's award winning "omnispeaker" style and therefore broadcast in 360°. They should be placed as centrally located to the desired listening area as possible.
4. The GS50 & TFS50 units should receive the full range signal, both left & right channels from your receiver amplifier source. The unique crossover network within the units will pass the correct signal to the satellites, if used, and restrict the signal noise to the actual subwoofer unit accordingly.

A simple Sub Woofer wiring diagram



Trouble Shooting...

Problem

Please Check

No Sound

- Check the speakers are connected to the cable correctly.
- Check the speaker cable is connected to the receiver amplifier correctly.
- Check the receiver amplifier is powered “on” at the mains, is not on “mute”, has no headphones attached and that the Channels used for the exterior speakers (usually A or B) is in operation.
- Refer to the owners guide that came with your receiver amplifier.
- Most initial problems are connectivity, please try a different connection cable to your outdoor speakers or equipment.

No Sound from one speaker

- Check the “balance” control on your receiver amplifier.
- Check all connections and cable to the inoperable speaker.
- 1. Disconnect the “working” speaker from the receiver amplifier connection/ channel. Switch the cord from the non-operating speaker from its current connection to the “working” speaker connection. If the speaker now works the problem is your receiver amplifier.
- 2. Reconnect as original. Remove the speaker cable at the “working” speaker directly and connect it directly to the non-working speaker. If the speaker now works the problem is somewhere in the original speaker cable.
- 3. If the speaker still does not work the problem is the speaker.

One speaker sounds distorted, lower volume or “different”

- Follow same procedure as above for “No Sound”.

Treble or Bass

- Check the “tone” setting on your receiver amplifier.
- Adjust the Treble and Bass settings on your receiver amplifier.
- Check the connections carefully from the amplifier to your speakers and ensure correct Phase (+ to + and – to – accordingly). Poor sound replication is expected from a speakers or speakers out of polarity or phase.

General Specifications
Outdoor Omni Subwoofer Speakers
GS50 & TFS50 Models

Speaker Drivers	8" Passive Woofer Drivers
Woofer(s)	Injection molded PP cone with Butyl rubber surround
Magnet motor	Y33 commercial grade
Cabinetry	GS50: Impact resistant ABS TFS50: multi layer composite
Grill	Anodized "sound assist"
Frequency Response Subwoofer	55Hz – 110Hz (crossover 100Hz)
Frequency Response Satellites	36Hz – 19kHz
Sensitivity @1W/1m	86db
Continuous/ Peak	125 / 250W
Satellite speaker feeds	2x 14/2 dbi insulated 1M tails
Unit Dimensions	GS50: 13x13x14" TFS50: 13.5x13.5x14.25"
Unit Weight	GS50: 13 Lbs TFS50: 26 Lbs
Pack Dimensions	GS50: 13x13x14" TFS50: 14.5x14.5x16"
Pack Weight	GS50: 13.5 Lbs TFS50: 27 Lbs

TIC Corporation engages in continual product research and development, new materials, production methods and design improvements. TIC Corporation therefore, reserves all rights to change or improve products specifications without notice.