



Owners Guide

Architectural Outdoor Patio Speaker Models ASP25/ ASP60/ ASP120 & ASP100 models



TIC Outdoor OmniSpeakers Feature

- Weatherproof Design
- *Pair* of Patio Speakers
- Brackets included
- Full range 50 - 120W 2-way or 3-way speaker drivers (model dependent)
- 4"-6.5" acoustic drivers
- 1" aluminum tweeters
- Surge protected *Revchem*®
- Silicone sealed
- 8 Ohm Impedance
- ASP60 & ASP120 w/70v optional for Commercial Installations
- 180° multi mount system
- ABS Impact Resistant Formulated Enclosure
- Black (B) or White (W) finish

For your records...

Manufacturers Name:	TIC Corporation	Manufacture Contact:	www.ticcorp.com (800) SPX-OMNI
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 Exterior Audio Product Conforms to all applicable:



One World, TIC Recycles



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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...

2x	Outdoor Patio Speakers
2x	Mounting swivel brackets and screw connectors per pair
ASP60 & ASP120 models	Include optional 70v switching assemblies
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 amplifiers 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 noting any impediments or obstacles in the wiring path.



In general;

1. Select a reasonably clean, reasonably structurally sound surface for the installation of your new TIC outdoor patio 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. Ensuring that there are no obstructions or difficulties such as concrete paths or architectural feature impediments. 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. 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.
4. When installing either burial cable or TIC's in-ground outdoor speakers please be very aware of any existing in-wall cable, submerged plumbing, piping such as sprinklers or irrigation and any sub-surface wiring already in place.



Carefully unpack and check components
Run speaker test prior to exterior installation

A note on Speaker Cable;

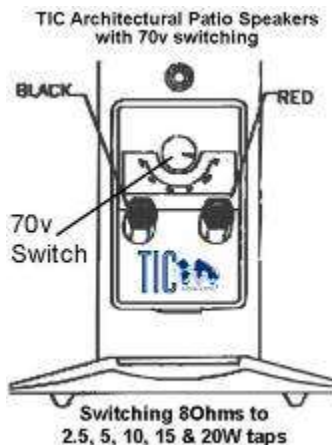
TIC recommends the use of our SPC30, 50 or 100' double insulated high quality speaker cable, however just about any reasonable speaker cable may be used including existing runs that may be in place. For standard 8Ω installations of 10 – 25ft., just about any 16/18 gauge 2 core cables can usually be used 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.

Please visit TIC Corporations website at www.ticcorp.com and review the Audio Installation Basics articles under Technical Resources for more in depth exterior audio and cable guidelines.

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.

5. Once you have checked the components and tested the system ready for exterior install, recheck your cable runs carefully marking the correct channel for each speaker.
6. Mount your speakers carefully using the supplied mounting brackets for each patio speaker.
7. Connect you new TIC Patio Speakers at the speaker end first ensuring enough “play” in the cable to allow angle adjustment as necessary.
8. Reconnect the speakers to your receiver amplifier being careful to ensure correct “Polarity” matching.
9. *for 70v systems note diagram below;



TIC ASP60 & ASP120 models only

Once connected properly, test the system at low volume first and then, sit back and enjoy another successful installation of a TIC outdoor product!



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.

Customer Service...

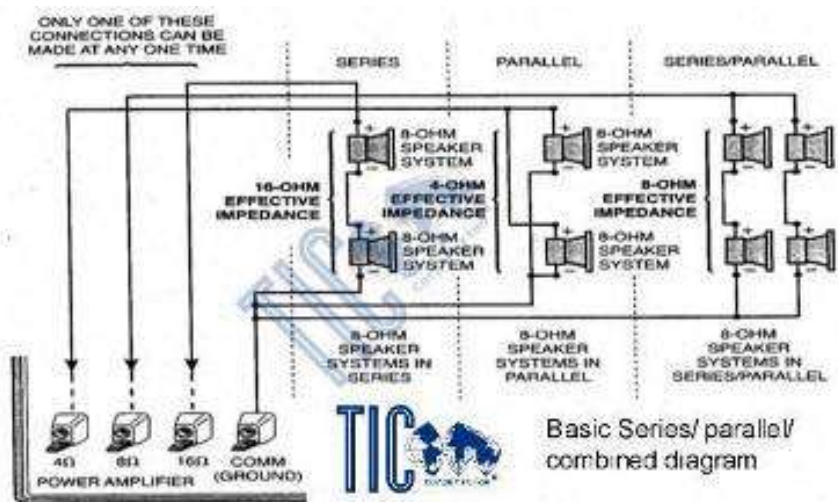
For any additional help please contact TIC Corporation at (800) SPX-OMNI, on line at www.ticcorp.com , or by email at info@ticcorp.com where we would be happy to assist you at any time. Also please visit our website for FAQ (frequently asked questions) and full contact information.

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. Also please note TIC Corporation General Terms & Conditions posted on our website at www.ticcorp.com for further information.

Installation Notes...

Please note series vs. parallel installation wiring choices below;



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 simple 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 <u>all</u> 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

Architectural Outdoor Patio Speakers

ASP25, ASP60, ASP100 - ASP120 Models

Woofers(s)	Injection molded PP cones with Butyl rubber surround
Cabinetry	Formulated Impact resistant ABS
Grill	Aluminum or Anodized - "sound assist grill"

*Inches/ lbs	ASP25	ASP60	ASP120	ASP100
Speaker Drivers	4.25" woofer 2" mid-range 1" aluminum tweeter	5.25" woofer 1" silk dome tweeter	6.5" woofer 1" silk dome tweeter	5.25" woofer 1" aluminum tweeter
Frequency response	59Hz – 19kHz	45Hz – 19kHz	35Hz – 19kHz	60Hz -19kHz
Sensitivity @1W/ 1M	84db	86db	88db	85db
Continuous/ Peak	25/ 50W	35/ 75W	75/ 150W	45/ 100W
Unit Size	8x5.5x5	9.8x7.2x6.5	12x8.6x7.6	6.6x5.6x8.9
Unit Wt.	2.5 Lbs	5 Lbs	7.5 Lbs	3.3 Lbs
Pack Size	8.5x13x6	8.9x15.4x11	9.8x17.7x13	16x9.6x8.7
Pack Wt.	6 Lbs	15.5 Lbs	21 Lbs	7.5 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.

TIC Corporation

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