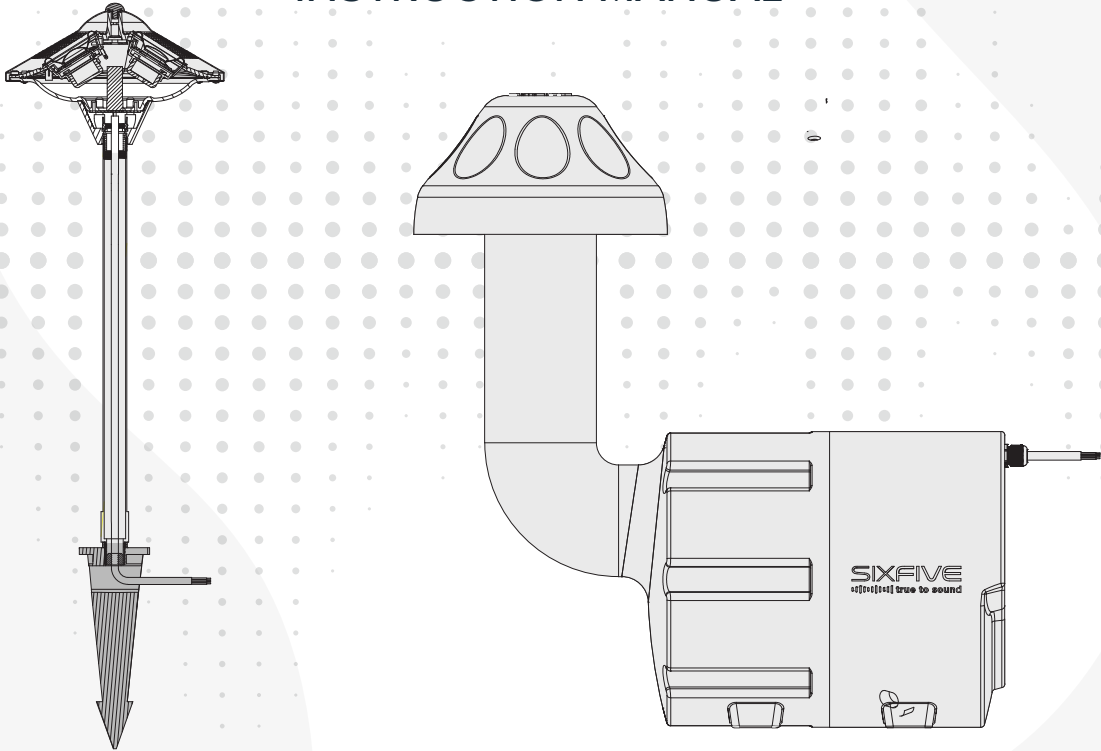


LSSPKR4, LSSPKR4B

Fusion Soundscape Speaker Light Set INSTRUCTION MANUAL



SIX FIVE
||| ||| ||| ||| true to sound

Elevate your outdoor space into a captivating retreat with the Memphis Fusion SoundScape speaker lights. These innovative speaker lights are meticulously crafted to deliver an impressive blend of audio and visual ambiance, transforming any outdoor area into an environment for relaxation and entertainment. Specifically tailored for compatibility with LSAMP250 Amplifiers, LSTFMR transformers, and LSSUB direct burial subwoofers (all sold separately), these Fusion SoundScape Lights are the cornerstone of a premium outdoor audio system. For the ultimate in immersive outdoor audio, Fusion Soundscape Landscape Speaker lights are the perfect solution.

Pair With The Following:

LSAMP250	250Watt 2-Channel Amplifier
LSSSUB	Direct Burial In Ground Subwoofer
LSTFMR	Transformer for Fusion Soundscape Lighting

ABOUT FUSION SOUNDSCAPE

Elevate your outdoor experience with SixFive Fusion Soundscape lights. Our patented design merges ambient LED lighting with integrated high-fidelity speakers to create the perfect setting for both relaxation and entertaining. Warm LED lights provide a gentle glow for your pathways or gardens, while the dual 2.5" all-weather speakers deliver a rich, immersive sound for an all-around enchanting experience. The unique enclosure construction offers an omni-directional auditory experience, with a design that amplifies mid-bass and directs high notes towards the listener, creating the ideal soundstage for your environment. Transform your outdoor space into an inviting haven of light and music, and create memorable evenings with SixFive Fusion Soundscape.

FEATURES:

- Patented technology: US Pat. 11,815,254
- 2700k color LED ambient light included
- Accepts halogen or LED G4 lamp, housed under a polycarbonate enclosure to protect from water
- Dual all weather 2.5" omni-directional speakers
- Sound dispersing enclosure for directing sound imaging
- Freq response 100Hz-20kHz
- Power handling - 50W RMS
- Sensitivity - 89dB
- Solid brass construction for a lifetime of durability
- Elegant brushed bronze or black finish
- Ground stakes included
- 3W G4 LED bi-pin bulbs included
- 1" thick brass stem
- Machine threaded body screws tight onto an O-ring for the ultimate moisture tight design
- Beryllium copper socket for optimal corrosion resistance
- Powered by safe-to-use, low-voltage (12V) current
- Plastic ground stakes included

WHATS IN THE BOX

- 4 Landscape Speakers
- 4 Removable Stakes
- Installation Manual

PLACEMENT

SixFive Series Fusion Soundscape Speaker Lights are designed to create an immersive environment of light and sound throughout your outdoor space. These speakers are uniquely designed to allow mid bass to reverberate off the ground and cast it back up towards the listener while the upward facing 2.5" speakers cast mids and highs directly towards the listener setting the ultimate soundstage.

To achieve the fullest sound in your outdoor environment, the use of a Fusion Soundscape Direct Burial Subwoofer (LSSUB) should be used. You should place your speakers and subwoofers strategically around your environment to balance the coverage of the light and sound throughout your space. Speakers should be placed 8-10 feet apart for best performance and coverage. The subwoofer should be placed as close to the center of your satellites as possible.

Placement of subwoofers near solid structures will result in more bass output. Placing the subwoofer near a wall for example will result in more low frequencies. Depending on the layout of your space, you may opt to place the subwoofer closer to your primary listening position.

Fusion Soundscape speakers have a 22Ω load to the amplifier. When connecting 4 speakers to each amp channel in parallel, the amplifier is approximately 5.5Ω. The speakers and the subwoofer both feature internal crossovers so the subwoofer's impedance is not combined with the satellites. The overall load presented to your amplifier by the system will be around 4Ω nominal.

WIRE TYPE

Color coded 14/4 direct burial speaker wire is recommended for outdoor applications.

SPEAKER CONNECTIONS

Unlike traditional outdoor speakers which, Fusion Soundscape lights feature both a speaker and a lighting connection on each light. Due to this unique design, you must utilize a wire configuration that accounts for both the lighting and the speaker connections. We recommend using an LSAMP250 250 Watt 2-channel amplifier with your Fusion Soundscape lights. This amplifier has a LEFT and a RIGHT channel. It is ideal to split the speakers evenly between your LEFT and RIGHT channel. Example: 4 speaker set up would have 2 speakers on the LEFT channel and 2 speakers on the RIGHT channel. If you are using a subwoofer you must connect the subwoofer to both LEFT and RIGHT channels. For the lighting you need a compatible transformer, we recommend LSTFMR. You will need to run a 14/2 wire from the transformer to your first light.

Once both the speaker wires and the lighting wires are ran to your first speaker location you may begin connecting the wires as indicated in this manual.

WIRE TYPE

14/4 refers to 14 AWG 4 conductor wire. Direct burial wire must be used to avoid corrosion and to preserve signal integrity. It is recommended that you use individual conductors with different colors to make it easy to identify the amplifier channels associated with specific speakers.

Low voltage lighting wire can also be used but is only available in 2 conductor wire, if you elect to use this type of wire you must run multiple wires to account for the speakers as well as the lighting.

WIRE CHART

Use the chart below to determine your wire gauge based on your total distance of wire used:

18AWG	Up to 100 Feet
16AWG	Up to 150 Feet
14AWG	Up To 250 Feet

INSTALLATION

Place the speakers and subwoofers in their approximate locations. You may want to do a preliminary sound test by connecting the wires first and testing the performance of the system and to test the lighting coverage of the system.

*NOTE: The subwoofer will require a burial space that is approximately 24” in diameter and 14” deep.

If satisfied with the coverage and sound, begin digging a 4” to 5” trench to run the speaker wires in. Be sure to consult your local code to be certain you are in compliance for direct wire burial.

If running through the grass you can use a flat blade shovel to push into the grass and rock back and forth to create a simple trench. This trench can be pushed back into position after wires are placed.

14/4 SPEAKER WIRE COLOR CODE:

14/4 wire has the following color format to stay consistent, please only connect the speakers according to the chart below:

LEFT CHANNEL	RIGHT CHANNEL
WHITE (+)	RED (+)
GREEN (-)	BLACK (-)

FUSION SOUNDSCAPE WIRE COLORS

Each speaker has 4 wire leads coming from the back of the speakers. 2 are speaker wires and 2 are lighting wires so be certain you connect the correct wires. Wires are tagged and labeled as follows from the factory:

<p>SPEAKER WIRES: RED: Speaker Wire Positive (+) RED/BLACK: Speaker Wire Negative (-)</p>
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<p>LIGHTING WIRES: SOLID BLACK: Negative Lighting Wire SOLID WHITE: Positive Lighting Wire</p>

SYSTEM LAYOUT

Every landscape project is different so you must determine the best wiring schematic for your project.

If there is a clear left and right side to your speaker placement you will want to wire the left side on the LEFT channel and the right side to the RIGHT channel.

If the speaker are in a random order with no clear left and right side it is advisable that you alternate the left and right channel connection between lights. This is not required but it may help balance the sound evenly throughout the yard.

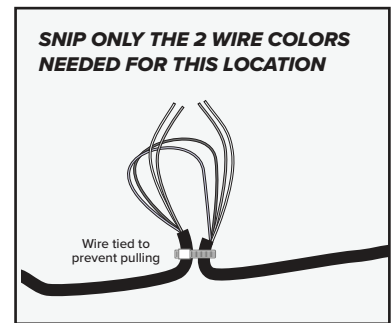
There is a volume control on each channel that will allow you to adjust the individual channel volumes. You may want to stage your speakers so they are louder in one section of the yard versus another. You will want to plan this in advance before you connect your speakers so you can turn down certain speakers on one channel versus the other channel. This can only be done if you wire those speakers to a specific channel.

CONNECTING THE SYSTEM

Once you've determine which speaker should be on each channel you will need to begin wiring them in parallel/daisy chain to the correct amplifier channel.

At your first speaker location use a ROUND CABLE STRIPPER (if you are not familiar with this product, check with the manufacturer on how to use it. It will avoid damaging the internal wires when stripping). Strip approximately 6" of f of the outer jacket of the wire. Make a 6" loop out of the exposed wire and secure the loop with a zip tie to avoid unintentional tugs on the wires.

With the internal wires exposed, select the correct color wire as indicated below:

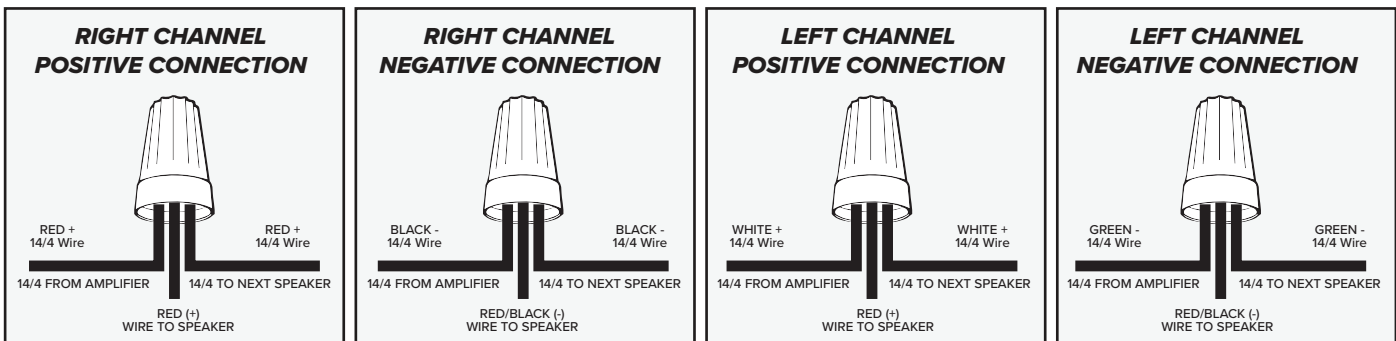


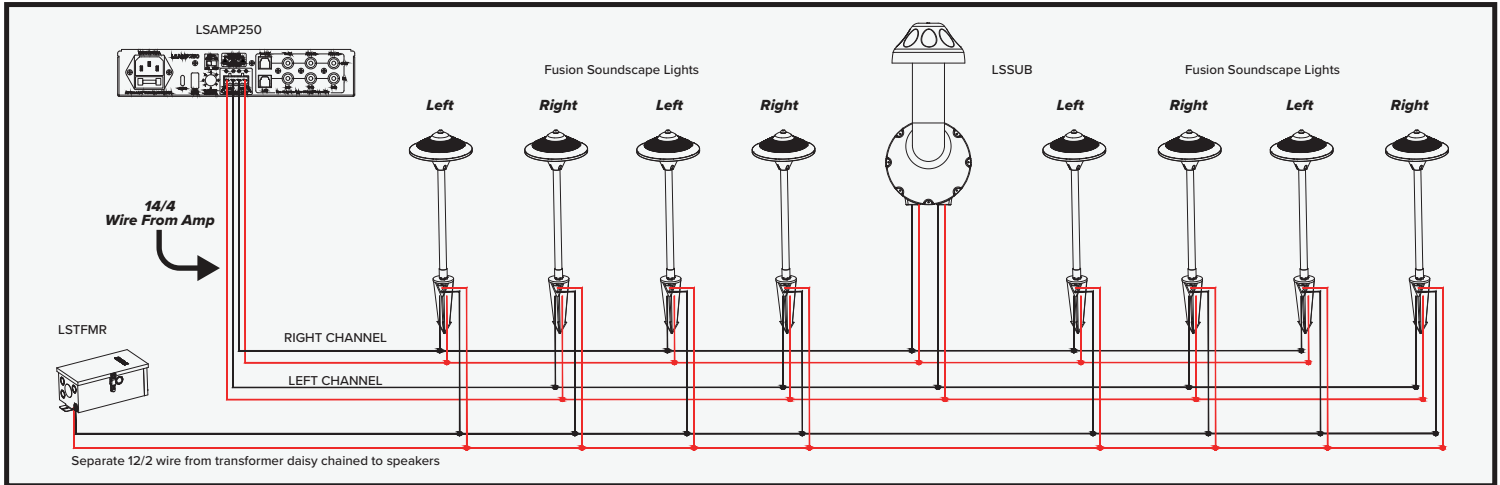
RIGHT CHANNEL: RED WIRE (POSITIVE +) BLACK WIRE (NEGATIVE -)
LEFT CHANNEL: WHITE WIRE (POSITIVE +) GREEN WIRE (NEGATIVE -)

Cut the correct color wire for your speaker location and strip the jacket back on both sides. You will need to connect BOTH these wires to your speaker wire. One side of the speaker wire is carrying the signal FROM your amplifier, the other side of the line is carrying the signal TO THE NEXT SPEAKER in the series. Twist the wire from the speaker lead together with the 2 wires from the 14/4 wire. Complete the connection by tightening a silicone filled wire nut to the 3 wires until no bare copper is showing and the connection is tight on all 3 wires. Tape the wire nut with electrical tap to help avoid water intrusion into the connection.

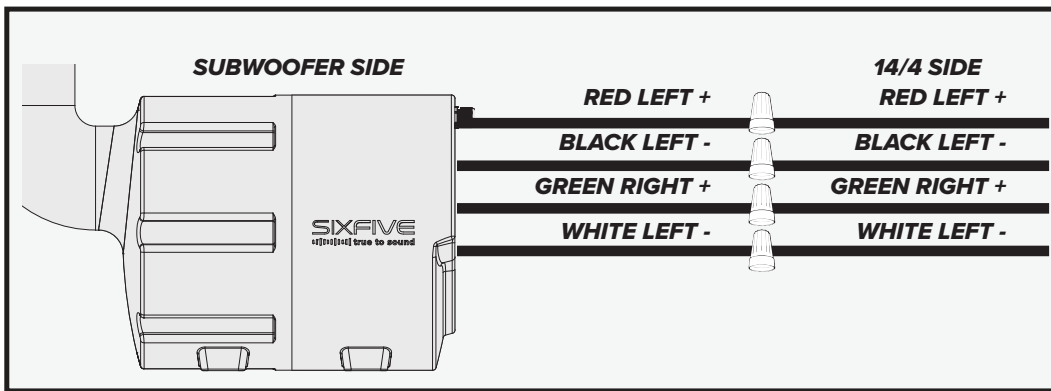
EXAMPLE: If you are connecting a your RIGHT CHANNEL to the first speaker you will connect the RED 14/4 wire to the RED speaker wire. Create a loop from the stripped wire and zip tie the base to act as a strain relief in the event that the wire is accidentally pulled.

You can connect the subwoofer at any point in the daisy chain but you must connect the subwoofer to both channels of the amplifier. The subwoofer wire is tagged as follows and color coded: RED LEFT(+) BLACK LEFT (-) GREEN RIGHT (+) and WHITE RIGHT (-) indicator tags.





SUBWOOFER CONNECTION



The subwoofer can be placed anywhere in the line. You will need to continue the 14/4 wire out of the wire nut to the next speaker in line staying consistent to the original wire pattern you started prior to connecting your subwoofer. The subwoofer wires are color coded to match standard 14/4 wire.

You must connect all wires appropriately on the subwoofer. The subwoofer has 2 voice coils and will not produce sound if all 4 wires are not connected properly from the LEFT and RIGHT channels.

LIGHTING WIRING

The lighting side of the Fusion Soundscape Speaker Lights works the same as a traditional landscape speaker light. There are 2 wire leads designated for the LED light connection on each speaker. A BLACK (-) wire and a WHITE (+) wire. These wires need to be connected to a compatible transformer to illuminate the lighting. We recommend the LSTFMR Transform.

You will need to connect each light in parallel/daisy chain to the transformer using 14/2 wire. Simply connect and wire nut each lighting wire in a similar fashion as shown in the previous speaker instructions.

Begin with the light location closest to your transformer and connect each light down the line.

NOTE: You may cut and wire nut each light together, or you can run separate pig tails from the main wires going from the transformer.

TESTING THE SYSTEM

Once all connections are secure you may begin testing the system. Be certain you are happy with the sound and lighting performance and coverage.

Make any necessary adjustments and retest. Once you are satisfied you may bury the subwoofer and any wires/trenches.

TECHNICAL SUPPORT

If you need assistance contact SixFive Audio directly at **800.489.2300**

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SPECIFICATIONS

MODEL	LSSPKR4 or LSSPKR4B
Woofers	2.5" Polypropylene cone with rubber surround
Frequency Response	100Hz - 20kHz +/- 3dB
Impedance	22 Ohms nominal
Power Handling	50watts minimum; 200 watts maximum
Sensitivity	89dB 2.83V / 1 meter
Enclosure Material	Non-corrosive, high heat ABS sealed enclosure
Mounting Threads	1/2" NPS (National Pipe Standard)
Dimensions (H/D) W/Out Stakes	20" Tall x 9" Diameter
Dimensions (H/D) W/ Stakes	25" Tall x 9" Diameter
Shipping Weight	22 LBS
SUBWOOFER	
MODEL	LSSUB
Woofers	10" DVC Polypropylene & Santoprene Surround
Frequency Response	35Hz - 100Hz +/-3dB
Crossover Frequency	100Hz
Power Handling	200 Watts
Sensitivity	90dB Sensitivity @ 2.83V / 1 meter
Enclosure Material	High Density Polyethylene (HDPE) Non corrosive sealed enclosure
Dimensions (LxD)	12.3" x 26.2" x 24.4"
Shipping Weight	40lbs
Speaker Wire Recommendations	
18 AWG	Up to 100 Feet
16AWG	Up to 150 Feet
14AWG	Up to 250 Feet
Lighting Info	
Bulb Type	3W G4 LED Bi-Pin
Bulb Specs	2700K