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PROFESSIONAL USER MANUAL

# SP-15X TiTANIUM

PREMIUM COMPETITION SUBWOOFER

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SP AUDIO — SUPER POWER AUDIO

ENGLISH EDITION · 2026 EDITION

DESIGNED & ENGINEERED IN ITALY

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# SUPER POWER AUDIO

SP Audio designs and engineers competition-grade car audio components in Italy. The SP-15X TiTANiUM is our premium 15" competition subwoofer, built around a massive dual magnet structure and a dual 1.50" voice coil for extreme power handling and control under sustained high-SPL use.

## DESIGNED & ENGINEERED IN ITALY



# KEY SPECIFICATIONS

Verified data from the SP-15X TiTANIUM product nameplate.

POWER HANDLING (RMS)

**8000 W RMS**

DRIVER SIZE

**15" / 38 cm**

MODEL CODE

**16018**

VOICE COIL

**Dual 1.50" (38 mm)**

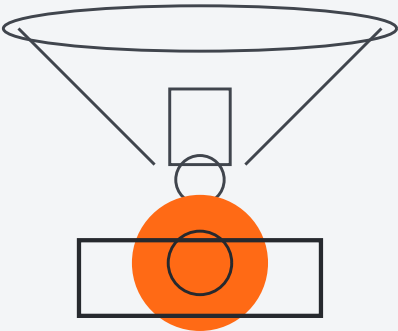
MOTOR STRUCTURE

**Massive dual magnet structure**

ORIGIN

**Italy**

MOTOR STRUCTURE (SCHEMATIC)



- Cone
- Dust cap
- Surround
- Spider
- Dual voice coil
- Top plate
- Massive magnet stack
- Vented basket

## PRODUCT TOUR



1

Carbon-fiber composite cone

2

SP Audio logo dust cap

3

Reinforced high-excursion surround

4

Graphic trim ring, stitched edge



- 5 Cast-alloy vented basket
- 6 Dual chrome-plated motor stack
- 7 Heavy-duty dual terminal cups
- 8 Dual 1.50" voice coil former

# INSTALLATION GUIDELINES

## ENCLOSURE

Install the SP-15X TiTANIUM only in an enclosure sized and tuned to the volume and port specification supplied by SP Audio or your authorized dealer for this model. An incorrect enclosure will limit performance and can damage the driver.

## MOUNTING

Use the full mounting-hole pattern on the basket flange with the hardware supplied. Seal the mounting surface with foam gasket or sealant to prevent air leaks.

## CLEARANCE

Verify rear clearance for the motor structure and terminals before cutting the enclosure, especially in sealed or bandpass designs.

## AMPLIFIER

Match the amplifier's RMS output and impedance to the subwoofer's rated power handling and wiring configuration before first power-up.

# WIRING CONFIGURATIONS

## SERIES

Connect the two voice coils in series to raise the total impedance seen by the amplifier. Recommended when the amplifier is stable only at higher impedance loads.

## PARALLEL

Connect the two voice coils in parallel to lower the total impedance and draw the driver's full rated power from an amplifier designed for low-impedance loads.

## INDEPENDENT

Each voice coil may also be wired to a separate amplifier channel for independent control in multi-amp installations.

## POLARITY

Always keep polarity consistent across every driver in a multi-sub installation to avoid cancellation and reduced output.

## TUNING & USE

### BREAK-IN

Run the subwoofer at moderate volume for several hours before reaching maximum output, to let the surround and spider reach their normal working flexibility.

### GAIN SETTING

Set amplifier gain using a reference signal and, where possible, an oscilloscope or distortion meter — never by ear alone at high volume.

### BASS MANAGEMENT

Use a subsonic filter matched to your enclosure tuning to protect excursion at very low frequencies.

### MONITORING

Listen for mechanical noise, rattles or distortion during break-in and initial tuning sessions, and reduce level immediately if heard.

## CARE, SAFETY & WARRANTY

### HANDLING

Handle the subwoofer by the basket, never by the cone or dust cap. Store in a dry, ventilated place away from direct sunlight and heat.

### CLEANING

Clean the trim ring and basket with a soft, dry cloth. Do not use solvents or apply liquid directly to the cone or surround.

### ELECTRICAL SAFETY

Disconnect power before wiring or servicing. Do not exceed the driver's rated power handling or wire it below its rated minimum impedance.

### WARRANTY

Refer to your authorized SP Audio dealer or distributor for the warranty terms applicable in your country and for any performance claim.



# SP AUDIO — SUPER POWER AUDIO

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