

2-WAY COMPONENT SYSTEM · 6.5" (165 MM)

SP-EM 6.5 KIT

PROFESSIONAL USER MANUAL



COMPONENT SET

Installation · wiring · tuning · specifications

200_w
KIT · RMS

400_w
KIT · MAX

4_Ω
NOMINAL IMPEDANCE

EN · REV. 1.0 · SEPTEMBER 2026

WELCOME

THANK YOU FOR CHOOSING SPAUDIO

The SP-EM 6.5 KIT is a high-efficiency 2-way component system: two 6.5" midrange drivers, two aluminium bullet super tweeters and two passive crossovers, built for car-audio installations that want loud, clear and dynamic sound. This manual takes you from unboxing to a correctly wired and tuned system.

Read the Safety chapter before touching a single cable. Damage caused by improper installation is not covered by warranty.

- ✓ ITALIAN DESIGN
- ✓ QUALITY
- ✓ EASY INSTALL
- ✓ SUPPORT

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Four parts — Getting started · Installation · Tuning & use · Reference — each opened by a dark divider page; the black tab on the page edge tells you which part you are in.

SYMBOLS USED IN THIS MANUAL

 WARNING

 NOTE

 ALLOWED

 NOT ALLOWED

DOCUMENT

Product	SP-EM 6.5 KIT
Language	English
Version	Rev. 1.0 · September 2026
Ratings at 4Ω nominal load. Latest version at www.spaudio.it .	

NEED HELP?

Free technical support from a real person: spaudio@spaudio.it · +39 340 807 8778

THE BRAND

SP • SUPER POWER AUDIO

DESIGNED IN ITALY

Performance, design e passione italiana. Every SPAUDIO product is designed in Italy, tuned for real cars and real installers, and built to be recognised at a glance: black and orange, the tricolour stripe.

**SP**

Super Power: the speaker-and-lightning mark stands for output without compromise – power you can feel.

AUDIO

Sound first: honest RMS ratings, rugged drivers and a look that matches the sound.

ITALIAN DESIGN

Designed in Italy. Distributed in Europe by Audiocar Import & Export, Milano – official SPAUDIO distributor.



PART 1

01

GETTING STARTED

IN THIS PART

- 01 Safety first
- 02 What's in the box
- 03 The product
- 04 Product tour
- 05 At a glance

KEY FIGURE

200^w

KIT · RMS

Read the safety rules, check the box contents and get to know every part of the kit before the first screw is turned.

**READ THE SAFETY RULES FIRST.**

01 SAFETY FIRST

A car-audio installation involves batteries, amplifiers and drivers that can be damaged in seconds. Every rule on this page comes from the manufacturer's requirements: none of them is optional.

⚠ **DISCONNECT THE BATTERY**

Remove the negative terminal before any work on the audio system. Re-connect it only when all wiring is finished and checked.

⚠ **NEVER WIRE A TWEETER WITHOUT ITS CROSSOVER**

Connecting a tweeter straight to an amplifier or head unit output sends it bass energy it cannot take and destroys it in seconds. Always route it through the supplied crossover.

⚠ **RESPECT THE POWER RATING**

The kit is rated 200 W RMS / 400 W max (100 W RMS per side). Clipping and distortion burn voice coils long before the nominal power is reached.

⚠ **RESPECT THE MINIMUM IMPEDANCE**

Nominal impedance is 4 Ω , minimum 3.2 Ω . Use an amplifier stable at 4 Ω per channel and never wire two kits to one channel.

i **CHECK BEHIND EVERY PANEL**

Before drilling or cutting a door, pillar or dash, check for wiring, fuel lines, airbag modules and window mechanisms.

i **HEARING AND DRIVING**

Sustained listening above 85 dB damages hearing. Keep the volume at a level that lets you hear emergency vehicles and traffic.

✗ **DO NOT OPEN OR MODIFY**

There are no user-serviceable parts inside the drivers or crossovers. Opening them or bypassing a crossover part voids the warranty.

✗ **KEEP WATER OUT**

Do not expose drivers or crossovers to rain or standing water. Door installations must keep the factory water shield sealed.

BEFORE YOU START – CHECKLIST

- Battery and charging system in good condition.
- Amplifier stable at 4 Ω per channel, with 75–100 W RMS available.
- Mounting surfaces rigid, flat, clean and dry.
- Grommets in place wherever cable passes through metal.
- Speaker cable of suitable gauge, cut to length, polarity marked.

02 WHAT'S IN THE BOX



PRINTED BOX

NOT JUST SPEAKERS. A FULL COMPONENT SET.

Everything needed for a left and right 2-way front stage arrives in one printed box: midrange drivers, super tweeters and dedicated crossovers.

SP-EM 6.5 KIT with contents listed on the front: 2-Midrange · 2-Tweeter · 2-Crossover.



THE FULL KIT

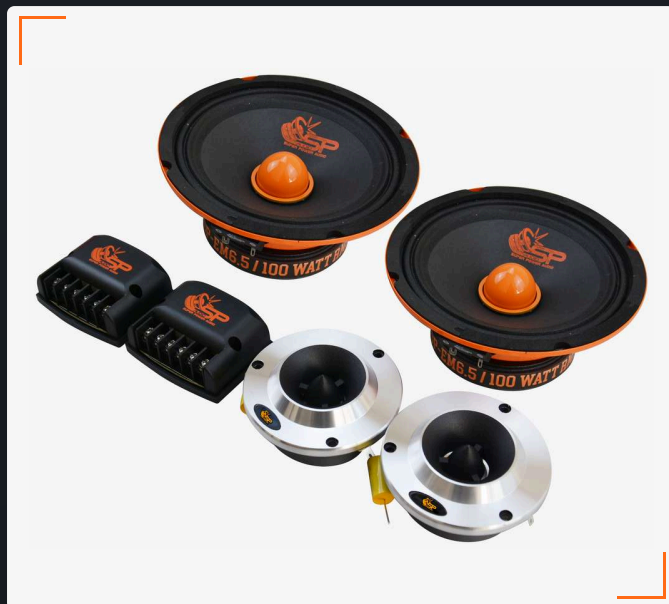
Two midrange drivers, two crossovers, two super tweeters — one for each side of the car.

ITEM	QTY	CHECK ON UNBOXING
SP-EM6.5 midrange driver, 6.5"(165 mm)	2	Orange phase plug intact, cone undamaged.
Aluminium supertweeter(bullet)	2	Machined ring clean, terminals straight.
Passive crossover network	2	Housing intact, all 6 terminals tight.
Owner's manual (this document)	1	Read before installing.

i NOT LISTED ON THE BOX

Amplifier, speaker cable, fasteners, baffles and adapter rings are not listed on the box. If anything is missing or damaged, contact your dealer before installing.

03 THE PRODUCT



High-efficiency sound, punchy midrange and long-range highs: the SP-EM 6.5 KIT is the SPAUDIO answer to a front stage that has to be heard. Two 6.5" midrange drivers (96 dB) and two super tweeters (98 dB) are split by two dedicated passive crossovers.

The midrange has a rigid cone with a specialised orange phase plug for optimised dispersion and cooling, and a reinforced orange & black basket. The bullet super tweeters are precision-machined in aluminium to deliver sharp, long-range highs. The crossovers balance the hand-over between the two and protect both drivers from distortion.



FACTORY FEATURES

- Rigid midrange cone with orange phase plug
- Reinforced orange & black basket
- Precision-machined aluminium bullet tweeters
- Dedicated passive crossovers with screw terminals
- High sensitivity: 96 dB mid · 98 dB tweeter
- 200 W RMS · 400 W max system rating

TYPICAL APPLICATIONS

Front stage

Midrange in doors, kick panels or pods; tweeters on the A-pillar, dash or door top.

Efficient systems

96/98 dB sensitivity: loud and clear even from modest amplifier power.

Powerful builds

Up to 100 W RMS per side with a properly set amplifier.

ITALIAN DESIGN

QUALITY

EASY INSTALL

SUPPORT

Orange & black basket, machined aluminium tweeters, tricolore stripe.

04 PRODUCT TOUR

Six parts, two sides. The kit is symmetrical: each side gets one midrange, one crossover and one tweeter.



THE KIT

Two midrange drivers, two crossovers and two super tweeters, angled view.



TOP VIEW

Orange phase plug, orange-edged basket, machined tweeter ring.



CROSSOVER

Six screw terminals and two fixing holes on each crossover.



IN THE ROOM

Rendered photo of the kit on a table, for scale and style reference.



TWO ENDS, TWO WORLDS

Midrange: 100 Hz-10 kHz, the body of the sound.
Tweeter: 2-20 kHz, the detail. Never swap their wires.



LEFT AND RIGHT

The two sides are identical. Mark left/right on the cables before pulling them through the doors.

05 AT A GLANCE

200_W
RMS · SYSTEM

400_W
MAX · SYSTEM

4_Ω
NOMINAL

165_{mm}
NOMINAL DIAMETER

ICON SPEC · KIT POWER

Per side: 100 W RMS
ONE MIDRANGE + ONE TWEETER

Whole kit: 200 W RMS
TWO SIDES

Peak: 400 W max
SYSTEM MAXIMUM



KIT / SYSTEM	
System type	2-way component set
Rated impedance	4 Ω
Minimum impedance	3.2 Ω
Kit power(RMS)	200 W
Kit power(max)	400 W

MIDRANGE SP-EM6.5	
Nominal diameter	165 mm (6.5")
Power handling (RMS)	100 W
Sensitivity 1W / 1m	96 dB SPL
Frequency range	100 Hz – 10 kHz
Voice coil	30.5 mm (1.5")
SUPER TWEETER	
Power handling (RMS)	100 W
Sensitivity 1W / 1m	98 dB SPL
Frequency range	2 kHz – 20 kHz
Voice coil	29 mm (1.2")

WHY 96 / 98 DB MATTERS

Every extra 3 dB is the same as doubling amplifier power. High sensitivity means more volume from the same watts.

WHY A 2-WAY COMPONENT SET

Separate tweeters can be aimed at the listener and placed higher than the midrange, for a wider and more precise sound stage.

WHY A DEDICATED CROSSOVER

It sends each driver only the frequencies it can play and protects the tweeter from bass energy.



PART 2

02

INSTALLATION

IN THIS PART

- 06 Crossover & connections
- 07 Dimensions – midrange & tweeter
- 08 Mounting the drivers
- 09 Planning the installation
- 10 Wiring the kit
- 11 System wiring diagrams
- 12 Loads & impedance

KEY FIGURE

16.5^{cm}

MIDRANGE Ø

Crossover, dimensions, mounting, cables and wiring – everything the installer needs to build the system correctly.



NEVER WIRE A TWEETER WITHOUT ITS CROSSOVER.

06 CROSSOVER & CONNECTIONS

The two passive crossovers are the heart of the kit. Each one takes the signal from an amplifier channel and splits it between the midrange and the tweeter of one side.



1 HOUSING

Black moulded housing with the SP logo. Mount it dry, away from moving parts.

2 FIXING HOLES

Two holes, one on each side: fix with screws, or secure with cable ties.

3 SCREW TERMINALS

Six terminals in three pairs: input from the amplifier, output to the midrange, output to the tweeter.

INPUT PAIR

Speaker cable from one amplifier channel (or head unit output): + and -.

MIDRANGE PAIR

Short cable to the midrange terminals on the basket, + to +.

TWEETER PAIR

Cable to the tweeter leads, + to +. Leave the yellow capacitor on the tweeter lead as supplied.



Use the markings printed on your crossover to identify the three pairs before wiring, and always keep the polarity: + to +, - to -.

07 DIMENSIONS – MIDRANGE & TWEETER

Overall dimensions in centimetres with weight, as supplied by the manufacturer. Check clearance in the mounting position before cutting.



MIDRANGE SP-EM6.5

Overall diameter	16.5 cm
Total height	6.8 cm
Magnet base diameter	10 cm
Total weight	1.1kg (2.43 lb)



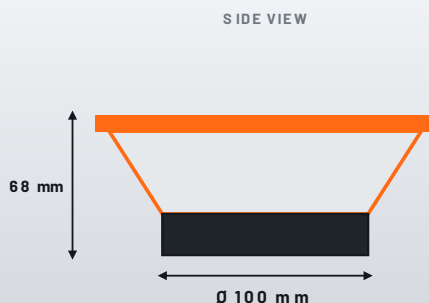
SUPER TWEETER

Flange diameter	9.4 cm
Total height	2.8 cm
Body diameter	7 cm
Total weight	0.42 kg (0.93 lb)

08 MOUNTING THE DRIVERS

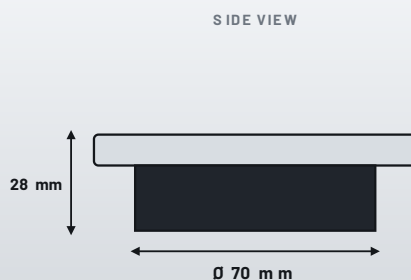
Technical drawings to scale of the dimensions above. Mounting depth is critical for midrange drivers in doors: keep the window and its mechanism clear.

MIDRANGE SP-EM6.5



Overall diameter	Ø 165 mm (6.5")
Total height	68 mm (2.68")
Magnet base diameter	Ø 100 mm (3.94")
Mounting holes	4
Weight(each)	1.1 kg

SUPER TWEETER



Flange diameter	Ø 94 mm (3.70")
Total height	28 mm (1.10")
Body diameter	Ø 70 mm (2.76")
Mounting holes	3
Weight(each)	0.42 kg

MIDRANGE – MOUNTING

- Mount on a rigid baffle (MDF or metal). Use all 4 fixing points and a foam gasket under the frame.
- Seal the rear of the door or pod: an open back cancels the low midrange. Add sound-deadening to the door skin.
- Leave at least 10 mm free behind the 100 mm magnet base; never touch the window or its rails.
- This is a midrange, not a woofer: it plays from 100 Hz. High-pass the front stage at 100 Hz or above.

TWEETER – MOUNTING

- Fix with the 3 screw holes on the machined flange onto a flat, rigid surface: A-pillar, dash or door top.
- Aim it at the listener. Test-fit with tape and listen before cutting or gluing.
- Keep the 7 cm body and the leads free of metal edges; do not overtighten the screws.

CROSSOVER – MOUNTING

Fix inside the door or behind the kick panel, dry and away from moving parts, within reach of both drivers. Leave a service loop on every cable.

09 PLANNING THE INSTALLATION

Plan for several hours of preparation. Decide the position of every part before the first cut.

1 CHOOSE THE LOCATIONS

Midranges in doors/pods, tweeters high and aimed at the listener, crossovers near each door.

2 ROUTE THE CABLES

Run speaker cable away from power cables; cross them at 90° only. Use rubber boots in the door.

3 PREPARE THE BAFFLES

Cut the cut-out to fit the cone and clear the 100 mm magnet; seal the edges.

4 DEADEN THE DOORS

Apply sound-deadening on the door skin and close every large opening.

5 TEST BEFORE FINISHING

Connect temporarily, check polarity and sound on both sides, then trim.

CABLE SPECIFICATION

Speaker cable **16-14 AWG (1.3-2.1 mm²), longer runs thicker**

Amplifier inline fuse **As specified by the amplifier maker**

Connection **Crimped and insulated, or soldered and heat-shrunk**

Polarity marking **Stripe or colour on the negative wire**

⚠ Never pass cable through sharp metal without a grommet, and never run speaker cable next to power cable for a long distance: it picks up alternator noise.

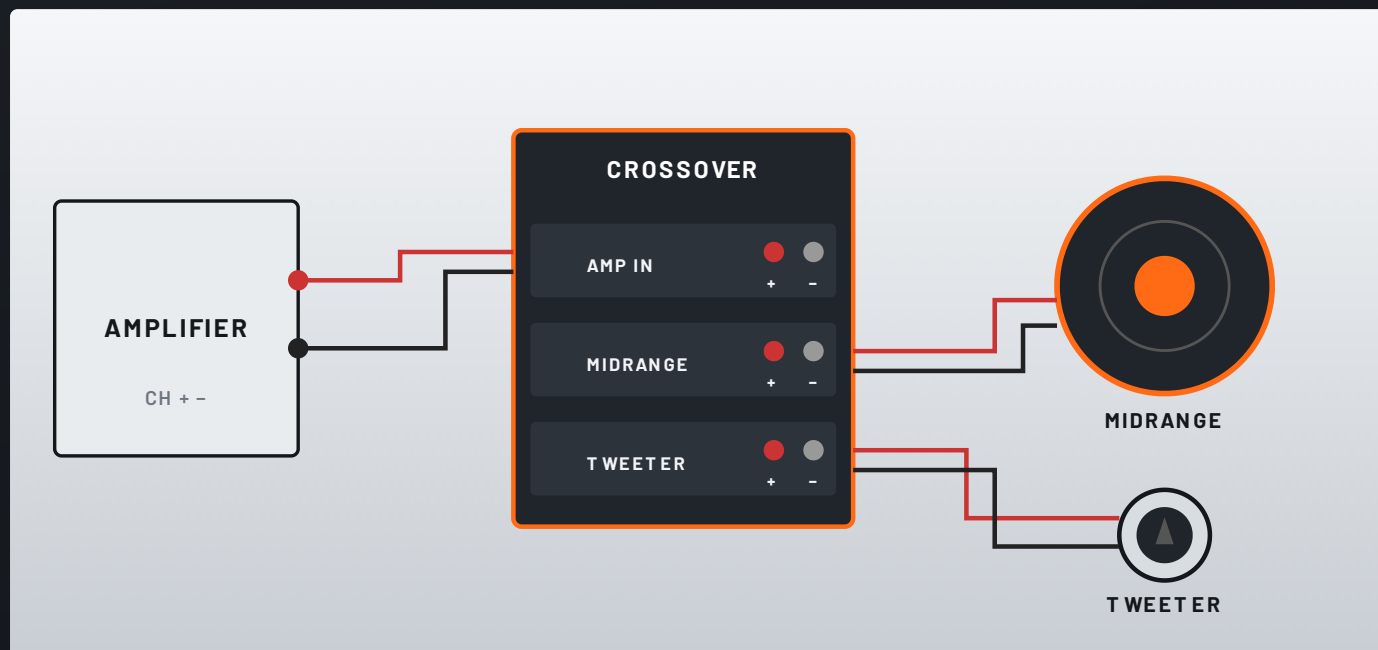


TOOLS YOU WILL NEED

Wire stripper and crimper · Screwdrivers and trim tools · Jigsaw or hole saw · Drill · Rubber grommets · Sound-deadening · Multimeter (DC ohms, AC volts) · Cable ties and foam gasket

10 WIRING THE KIT

Every side is wired the same way. Work with the battery disconnected, and keep the polarity of every pair.



POLARITY

Red/marked wire to +, black to -, on every pair. Reversed midrange or tweeter gives thin sound and a hole in the centre image.

ONE CROSSOVER PER SIDE

Do not swap crossovers left/right and never connect two drivers of the same type to one crossover output.

NEVER

Tweeter direct to the amplifier, midrange and tweeter in series, or the crossover bypassed.

CONNECTION SEQUENCE

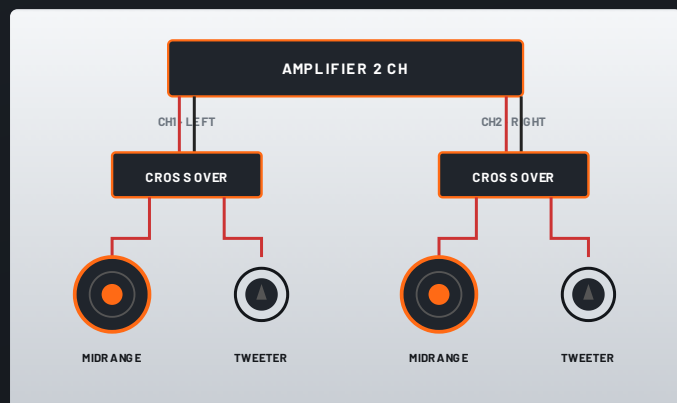
- 1 Battery disconnected; amplifier off, gain at minimum.
- 2 Run a speaker cable from the amplifier channel (+/-) to the crossover input pair.
- 3 Connect the crossover midrange pair to the midrange terminals, + to +.
- 4 Connect the crossover tweeter pair to the tweeter leads, + to +.
- 5 Tighten every screw terminal and pull-test each wire.
- 6 Repeat for the other side, checking it matches the first.
- 7 Reconnect the battery, source volume at minimum, then power on.
- 8 Play at low volume and check that both drivers on both sides work.



Reversed polarity between pairs or a wrong crossover connection can damage the tweeter. Check every connection twice before applying power.

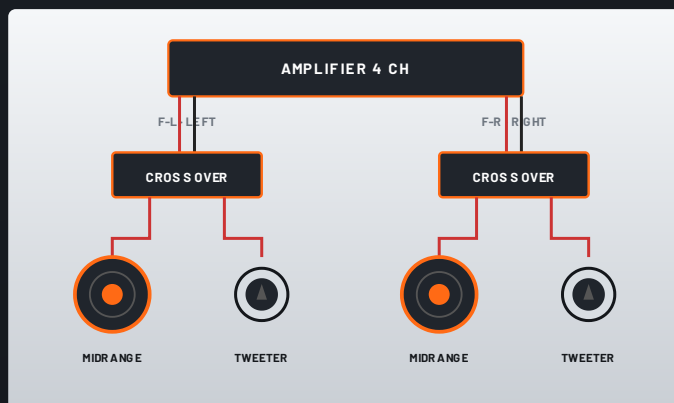
11 SYSTEM WIRING DIAGRAMS

Three proven ways to power the kit. Each diagram respects the 4 Ω per channel load; the left and right sides are identical.



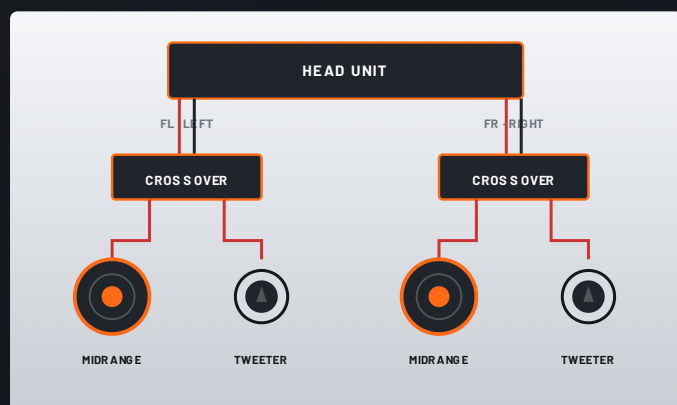
A – 2-CHANNEL AMPLIFIER

CH1 → left kit · CH2 → right kit · 4 Ω per channel



B – 4-CHANNEL AMPLIFIER, FRONT CHANNELS

Front pair feeds the kit · rear channels free for rear speakers



C – HEAD UNIT DIRECT

Front outputs → crossovers · limited power, high sensitivity helps



Set the high-pass filter of the front channels to 100 Hz or above in every case.

Head unit outputs deliver little power: expect less volume and keep the tone controls flat.



12 LOADS & IMPEDANCE

The amplifier does not see speakers — it sees an impedance. Before wiring, calculate what each channel will see and check it against the amplifier's minimum.

CONFIGURATION	LOAD SEEN	STATUS
1 kit per channel (mid + tweeter via crossover)	4 Ω	✓ ALLOWED
2 kits on one channel, parallel	2 Ω	✗ NOT ALLOWED
Bridged amplifier, 1 kit	4 Ω	✗ NOT ALLOWED
Tweeter alone on a channel	—	✗ NOT ALLOWED
Midrange alone without crossover	4 Ω	✗ NOT ALLOWED

MEASURE BEFORE YOU POWER UP

With cables connected at the speaker end and disconnected at the amplifier, read the DC resistance with a multimeter. Expect a value a little under the nominal 4 Ω (about 3–3.6 Ω). 0 Ω is a short; an open reading is a broken wire or connection.

NOMINAL, NOT MINIMUM

The kit is 4 Ω nominal and dips to 3.2 Ω minimum: an amplifier rated stable at 4 Ω is the correct match. Use the minimum only as a safety margin.

P = V² / Z



PART 3

03

TUNING & USE

IN THIS PART

- 13 Frequency ranges & crossover
- 14 Amplifier matching & gain
- 15 System configurations
- 16 First power-up & listening



KEY FIGURE

20 V AC

GAIN TARGET · 100 W @ 4 Ω

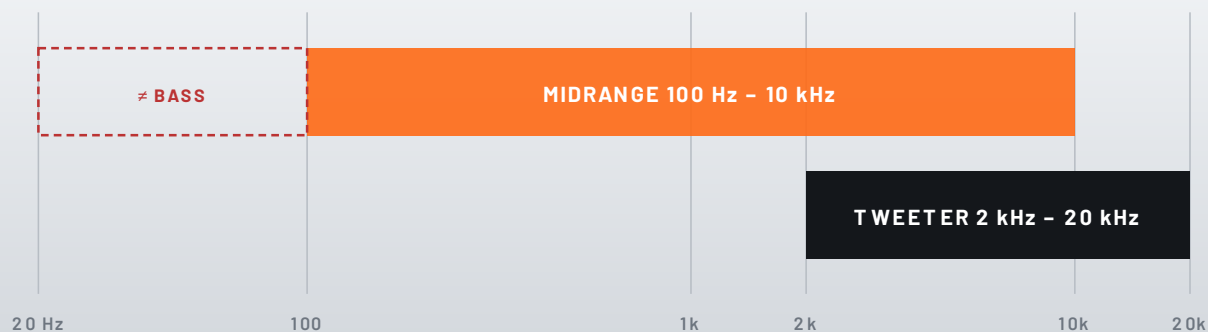
Frequency ranges, amplifier matching, gain and the first listening session – the way the manufacturer intended, by ear or with a multimeter.

SET GAIN BY VOLTAGE, NOT BY FEEL.

13 FREQUENCY RANGES & CROSSOVER

The passive crossover splits the signal between the two drivers. Your job is to send the front stage only the frequencies it can play – no bass below 100 Hz.

FREQUENCY RANGE OF THE DRIVERS



Illustrative chart of the rated frequency ranges: midrange 100 Hz-10 kHz, tweeter 2 kHz-20 kHz. The split is done by the passive crossover; the overlap is normal.

HIGH-PASS ON THE SOURCE

Set the high-pass filter of the front channels (amplifier or DSP) to 100-120 Hz, 12-24 dB/oct. A subwoofer or door woofers take over below.

NO EXTRA FILTER IN BETWEEN

Do not add another low-pass or high-pass between the midrange and tweeter: the supplied crossover already does it.

STARTING POINTS

Front stage HPF	100-120 Hz
Slope	12-24 dB/oct
Tweeter aiming	Towards listener
Treble trim	0 / -1 / -2 dB

TWEETER LEVEL AND AIMING

The tweeter is 2 dB more sensitive than the midrange (98 vs 96 dB). If the sound is bright, angle the tweeter slightly off-axis or lower the treble by 1-2 dB.



14 AMPLIFIER MATCHING & GAIN

A correctly set gain is the single most important adjustment. Too high and the amplifier clips: distortion burns voice coils, especially tweeters. Too low and you leave power on the table.

MATCHING THE AMPLIFIER

Ideal: 75-100 W RMS per channel into 4Ω, stable at 4Ω. Up to the 200 W max per side is tolerated only with a precisely set gain and a clean signal.

TARGET VOLTAGE

$$V_{\text{target}} = \sqrt{(P \times Z)}$$

$V_{\text{target}} = \sqrt{(P \times Z)}$ – measured in AC volts at the amplifier output, speakers disconnected.

POWER PER CHANNEL	LOAD	TARGET
50 W	4 Ω	14.1 V AC
75 W	4 Ω	17.3 V AC
100 W	4 Ω	20.0 V AC

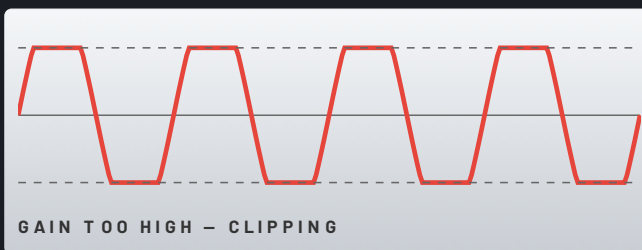
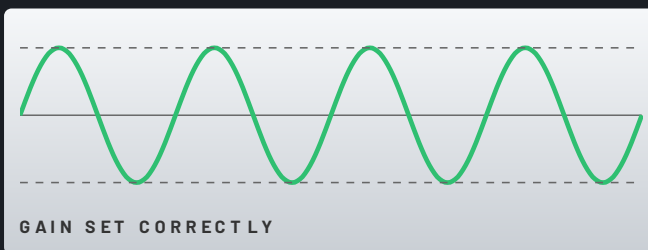
BY EAR – IF YOU HAVE NO METER

Gain to minimum, source at 3/4 volume, raise the gain slowly until you hear distortion, then back it down until it just disappears. Never set the head unit to 100 %.

MULTIMETER PROCEDURE

- 1 Disconnect the speaker wires from the amplifier. Set the multimeter to AC volts across the channel output.
- 2 Play a 1kHz sine test tone at 0 dB at 3/4 of the source volume. Tone controls flat, bass boost off.
- 3 Raise the amplifier gain until the meter reads the target voltage. Stop.
- 4 Set the source volume to minimum, reconnect the speakers and check with music.

WHAT CLIPPING LOOKS LIKE



15 SYSTEM CONFIGURATIONS

Four proven ways to use the SP-EM 6.5 KIT. Each card lists the setup – everything the installer needs to reproduce it.

A – FRONT STAGE

2-WAY FRONT SPEAKERS

Amp	2/4 ch @ 4 Ω
HPF	100–120 Hz
Gain	V = 20 V AC
Bass boost	0 dB

B – WITH SUBWOOFER

KIT + SUB

Kit HPF	100–120 Hz
Sub LPF	≈ 80–100 Hz
Gain	by meter
Phase	check by ear

C – HEAD UNIT DIRECT

LOW POWER

Source	Front out
HPF	100 Hz
Tone	flat
Volume	no clipping

D – HIGH-LEVEL BUILD

UP TO 100 W RMS / SIDE

Amp	75–100 W RMS
Gain	20 V AC
EQ	tweeter -1/-2 dB
Clipping	never



GOLDEN RULE FOR EVERY CONFIGURATION: crossover wired as shown, gain set by voltage, high-pass at 100 Hz or above, no clipping.

16 FIRST POWER-UP & LISTENING

There is no power switch on the kit: it plays when the amplifier plays. This chapter covers the first power-up and the first listening session.

FIRST POWER-UP – STEP BY STEP

1 · BEFORE

Gain at minimum, bass boost at 0 dB, wiring checked twice, no stray strands.

2 · SOURCE ON

Play music at low volume. Check that all four drivers play, left and right.

3 · CALIBRATE

Set the gain following chapter 14, then set the filters and listen.

4 · BREAK-IN

Play at moderate level for the first hours: the suspension loosens and the sound settles.

LISTENING CHECKLIST

- Voices in the centre, not on one side.
- No harshness on cymbals and sibilants: adjust aiming or trim treble.
- No rattles from the door or trim at moderate volume.
- No distortion at your usual listening level.

DAILY USE

- Do not raise the source volume to the maximum: lower it at the first sign of distortion.
- Do not change the gain to raise the volume – use the source.
- In extreme heat, ventilate the cabin before demanding full volume.



PART 4

04

REFERENCE

IN THIS PART

- 17 Troubleshooting
- 18 Technical specifications
- 19 Signal & power flow diagram
- 20 Care & maintenance
- 21 Warranty & contacts

KEY FIGURE

200_w

KIT · RMS

Diagnostics, the complete specification sheet and the care and warranty information you need to keep the kit performing.

**HONEST RATINGS. HONEST SUPPORT.**

17

TROUBLESHOOTING

Work through the table from top to bottom: nine faults out of ten are a connection or a wrong setting.

SYMPTOM	LIKELY CAUSE	WHAT TO DO
No sound from one side	Cable off, blown amp fuse, wrong balance/fader.	Check connections at amp and crossover; centre balance and fader.
No sound from the tweeter	Lead disconnected, crossover tweeter pair not wired, tweeter damaged.	Re-check the tweeter pair; swap left/right tweeter to isolate the fault.
No sound from the midrange	Midrange pair not wired, broken cable, blown voice coil.	Measure DC resistance at the driver terminals; open = damaged.
Distorted or harsh sound	Gain too high, clipping, tweeter aimed on-axis, treble boosted.	Repeat the gain calibration; flat EQ; angle the tweeter.
Thin sound, no centre	Reversed polarity on one driver or one side.	Check + and - on every pair, both sides.
Weak low midrange	Open rear of the door/pod, loose baffle, no sealing.	Seal the rear, fix the baffle firmly, add sound-deadening.
Rattle at volume	Loose trim, cables or screws touching.	Tighten screws, add foam tape and damping.
Alternator whine or hum	Speaker cable close to power cable, bad ground on source or amp.	Re-route cables apart; check grounds of amp and source.

QUICK CHECKS WITH A MULTIMETER	
Battery voltage, engine running	13.5–14.4 V DC
Speaker cable, DC ohms at amp end	≈ 3–3.6 Ω
Short (0 Ω) / open	Fault

BEFORE CONTACTING SUPPORT

- Model and place/date of purchase.
- Amplifier model, configuration and filter settings.
- What fails, when it fails and at what volume.
- Photos of the wiring and of the crossover.

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TECHNICAL SPECIFICATIONS

KIT / SYSTEM	
System type	2-way component set
Rated impedance	4 Ω
Minimum impedance	3.2 Ω
Kit power(RMS)	200 W
Kit power(max)	400 W
MIDRANGE SP-EM6.5	
Nominal diameter	165 mm (6.5")
Power handling (RMS)	100 W
Sensitivity1W/ 1m	96 dB SPL
Frequencyrange	100 Hz – 10 kHz
Voice coil	30.5 mm (1.5")
SUPER TWEETER	
Power handling (RMS)	100 W
Sensitivity1W/ 1m	98 dB SPL
Frequencyrange	2 kHz – 20 kHz
Voice coil	29 mm (1.2")

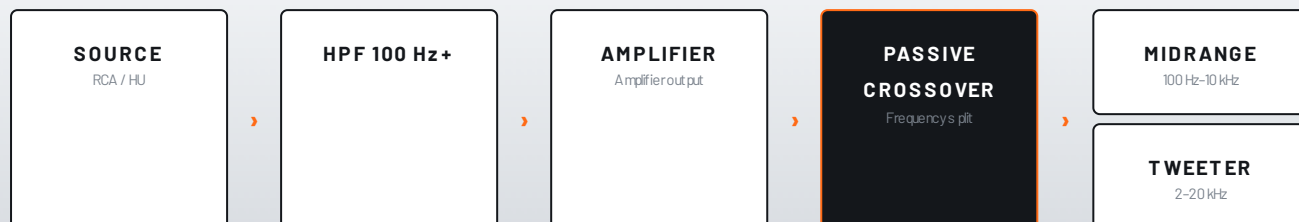
MECHANICAL	
Midrange dimensions	Ø 165 × 68 mm
Midrange magnet base	Ø 100 mm
Midrange weight	1.1kg
Tweeter dimensions	Ø 94 × 28 mm
Tweeterbody	Ø 70 mm
Tweeter weight	0.42 kg
Midrange fixing points	4
Tweeterfixing holes	3
Crossover terminals	6 screw terminals
COMPONENTS	
COMPONENTS	2 midrange + 2 bullet super tweeters + 2 crossovers
Design	SP Audio orange & black, reinforced basket

Manufacturer's data. Continuous RMS ratings; peak figures are not RMS. Subject to change without notice.



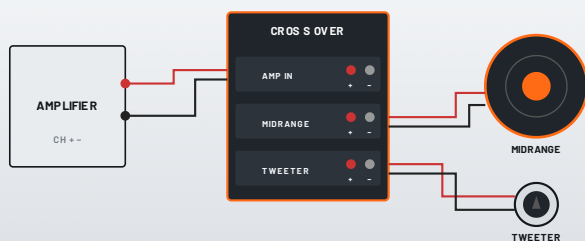
19 SIGNAL & POWER FLOW DIAGRAM

SIGNAL PATH



POWER & PROTECTION

The kit is passive: no power supply of its own. It relies on the amplifier and the crossover for protection; set the gain correctly and keep clean power.



20 CARE & MAINTENANCE

EVERY FEW MONTHS

- Check the fixing screws: vibration loosens them over time.
- Re-tighten crossover terminals.
- Look for corrosion or moisture behind the door panel.

CLEANING

- Soft, dry brush or slightly damp cloth on cone and frame.
- No solvents or alcohol; never push on the cone or dome.
- Polish the aluminium tweeter ring with a soft microfibre cloth.

STORAGE & TRANSPORT

- Keep the kit in its printed box, dry, away from direct sun.
- Do not stack heavy items on the boxed drivers.

21 WARRANTY & CONTACTS

WARRANTY

SPAUDIO products are covered against manufacturing defects according to the legal warranty of the country of purchase and the conditions of the authorised dealer. Keep the purchase receipt: it is the warranty document.

THE WARRANTY DOES NOT COVER

- Damage from improper installation, reversed polarity or a tweeter wired without its crossover.
- Use beyond the rated power, clipped signal or a load below the minimum impedance.
- Water, corrosion, mechanical damage, opened or modified units.

DISPOSAL

Electrical equipment must not be disposed of with household waste. Return it to a collection point for electrical and electronic equipment.

SPAUDIO · CONTACTS

Audiocar Import & Export SRLS

Audiocar Import & Export SRLS – Official SPAUDIO Distributor for Europe

Piazza IV Novembre 4, 20124 Milano, Italy · P.IVA 13085510987

www.spaudio.it

spaudio@spaudio.it

+39 340 807 8778

Free technical support: write or call and a person answers, with the real data of the product sheets.

Manager WhatsApp	+39 340 807 8778
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Assistant WhatsApp	+52 55 3490 7739
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Instagram	spaudio_official spaudio_usa_official spaudio_mx
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200_W
KIT · RMS

400_W
KIT · MAX

4_Ω
NOMINAL IMPEDANCE

PRODUCT PAGE · SUPPORT · SPARE PARTS

SCAN FOR THE ONLINE PRODUCT PAGE, SUPPORT AND THE LATEST MANUAL.

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