

AV Control Receiver Operating Instructions

Model No. **SA-XR45**
SA-XR25



SA-XR45

Dear customer

Thank you for purchasing this product.
Before connecting, operating or adjusting this product, please read these instructions completely.
Please keep this manual for future reference.

SA-XR45 is used in the illustrations unless otherwise mentioned.
SA-XR25 is only for continental Europe and the United Kingdom.

Note:
"EB" on the packaging indicates the United Kingdom.



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Supplied accessories

CAUTION!

- DO NOT INSTALL OR PLACE THIS UNIT IN A BOOKCASE, BUILT-IN CABINET OR IN ANOTHER CONFINED SPACE. ENSURE THE UNIT IS WELL VENTILATED. TO PREVENT RISK OF ELECTRIC SHOCK OR FIRE HAZARD DUE TO OVERHEATING, ENSURE THAT CURTAINS AND ANY OTHER MATERIALS DO NOT OBSTRUCT THE VENTILATION VENTS.
- DO NOT OBSTRUCT THE UNIT'S VENTILATION OPENINGS WITH NEWSPAPERS, TABLECLOTHS, CURTAINS, AND SIMILAR ITEMS.
- DO NOT PLACE SOURCES OF NAKED FLAMES, SUCH AS LIGHTED CANDLES, ON THE UNIT.
- DISPOSE OF BATTERIES IN AN ENVIRONMENTALLY FRIENDLY MANNER.

WARNING:

TO REDUCE THE RISK OF FIRE, ELECTRIC SHOCK OR PRODUCT DAMAGE, DO NOT EXPOSE THIS APPARATUS TO RAIN, MOISTURE, DRIPPING OR SPLASHING AND THAT NO OBJECTS FILLED WITH LIQUIDS, SUCH AS VASES, SHALL BE PLACED ON THE APPARATUS.

This product may receive radio interference caused by mobile telephones during use. If such interference is apparent, please increase separation between the product and the mobile telephone.

Marking sign is located on bottom of the unit.

(For continental Europe, the United Kingdom, Australia and New Zealand)

THIS UNIT IS INTENDED FOR USE IN MODERATE CLIMATES.

(For other areas)

THIS UNIT IS INTENDED FOR USE IN TROPICAL CLIMATES.

The socket outlet shall be installed near the equipment and easily accessible or the mains plug or an appliance coupler shall remain readily operable.

For the United Kingdom and Republic of Ireland

shop@Panasonic

www.panasonic.co.uk (for UK customers only)

- Order accessory and consumable items for your product with ease and confidence by telephoning our Customer Care Centre Mon-Friday 9:00am-5:30pm. (Excluding public holidays.)
- Or go on line through our Internet Accessory ordering application.
- Most major credit and debit cards accepted.
- All enquiries transactions and distribution facilities are provided directly by Panasonic UK Ltd.
- It couldn't be simpler!

Customer Care Centre

For UK customers: 08705 357357

For Republic of Ireland customers: 01 289 8333

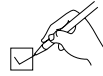
Technical Support

For UK customers: 0870 1 505610

This Technical Support Hot Line number is for Panasonic PC software related products only.

For Republic of Ireland, please use the Customer Care Centre number listed above for all enquiries.

For all other product related enquiries, please use the Customer Care Centre numbers listed above.

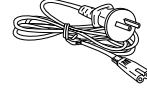


Please check and identify the supplied accessories.

- 1 AC mains lead



For the United Kingdom (VJA0733)

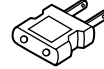


For Australia and New Zealand (RJA0035-X)



For continental Europe and other areas (RJA0019-2K)

- 1 Power plug adapter (RJP1SG04-H)

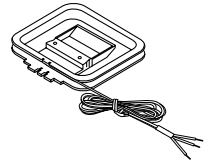


For areas except continental Europe, the United Kingdom, Australia and New Zealand

- 1 FM indoor antenna (RSA0007-L)



- 1 AM loop antenna (RSA0037)



- 1 Antenna plug adapter

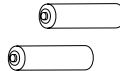


For the United Kingdom (K1YZ02000013)



For areas except continental Europe and the United Kingdom (RFE0014)

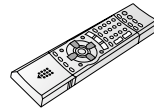
- 2 Batteries



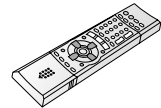
- 1 Remote control

SA-XR45

SA-XR25



(EUR7622X20)



(EUR7622030)

Refer to the separate booklet, "Remote Control Operation Guide", for remote control operation details.

Use the numbers indicated in parentheses when asking for replacement parts.

Specifications (DIN 45 500)

■ AMPLIFIER SECTION

Power output (at AC 230–240 V)
 DIN 1 kHz (T.H.D. 1 %) 2 x 100 W (6 Ω)
 20 Hz–20 kHz continuous power output both channels driven 2 x 80 W (6 Ω)

Total harmonic distortion
 rated power at 20 Hz–20 kHz 0.3 % (6 Ω)

Power output each channel driven
 DIN 1 kHz (T.H.D. 1 %)
 Front (L/R) 100 W (6 Ω)
 Center 100 W (6 Ω)
 Surround (L/R/BACK) 100 W (6 Ω)

Load impedance
 Front (L/R) 6–16 Ω
 Center 6–16 Ω
 Surround (L/R/BACK) 6–16 Ω

Frequency response
SA-XR45 CD, TV, DVD/DVD 6CH, DVR/VCR, TAPE 10 Hz–44 kHz, ±3 dB
SA-XR25 CD, TV, DVD/DVD 6CH, VCR, TAPE 10 Hz–44 kHz, ±3 dB

Input sensitivity and impedance
SA-XR45 CD, TV, DVD/DVD 6CH, DVR/VCR, TAPE 200 mV/22 kΩ
SA-XR25 CD, TV, DVD/DVD 6CH, VCR, TAPE 200 mV/22 kΩ

S/N at rated power (6 Ω)
SA-XR45 CD, TV, DVD, DVR (DIGITAL INPUT) 90 dB (IHF, A: 98 dB)
SA-XR25 CD, TV, DVD (DIGITAL INPUT) 90 dB (IHF, A: 98 dB)

Tone controls
 BASS 50 Hz, +10 to –10 dB
 TREBLE 20 kHz, +10 to –10 dB

Output voltage
SA-XR45 TAPE, DVR/VCR 200 mV
SA-XR25 TAPE, VCR 200 mV

Channel balance (250 Hz–6.3 kHz) ±1 dB
 Channel separation 55 dB
 Subwoofer frequency response (–6 dB) 7–200 Hz

Digital input (OPTICAL)
SA-XR45 (DVD: Fs 192 kHz Ready) 3
SA-XR25 2
 (COAXIAL) 1
 Digital output (OPTICAL) 1

■ FM TUNER SECTION
 Frequency range 87.50–108.00 MHz
 Sensitivity
 S/N 30 dB 1.5 μV/75 Ω
 S/N 26 dB 1.3 μV/75 Ω
 S/N 20 dB 1.2 μV/75 Ω
 IHF usable sensitivity (IHF '58) 1.5 μV/75 Ω
 IHF 46 dB stereo quieting sensitivity 22 μV/75 Ω
 Total harmonic distortion
 MONO 0.2 %
 STEREO 0.3 %
 S/N
 MONO 60 dB
 STEREO 58 dB

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Frequency range 87.50–108.00 MHz
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 S/N
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 STEREO 58 dB

Frequency response

20 Hz–15 kHz +1 dB, –2 dB
 Alternate channel selectivity ±400 kHz 65 dB
 Capture ratio 1.5 dB
 Image rejection at 98 MHz 40 dB
 IF rejection at 98 MHz 70 dB
 Spurious response rejection at 98 MHz 70 dB
 AM suppression 50 dB
 Stereo separation
 1 kHz 40 dB
 Carrier leak
 19 kHz –30 dB
 38 kHz –50 dB
 Channel balance (250 Hz–6.3 kHz) ±1.5 dB
 Limiting point 1.2 μV
 Bandwidth
 IF amplifier 180 kHz
 FM demodulator 1000 kHz
 Antenna terminal 75 Ω (unbalanced)

■ AM TUNER SECTION

Frequency range 522–1611 kHz (9 kHz steps)
 530–1620 kHz (10 kHz steps)
 Sensitivity 20 μV, 330 μV/m
 Selectivity (at 999 kHz) 55 dB
 IF rejection (at 999 kHz) 50 dB

■ VIDEO SECTION

Output voltage at 1 V input (unbalanced) 1±0.1 Vp-p
 Maximum input voltage 1.5 Vp-p
 Input/output impedance 75 Ω (unbalanced)
 S-Video Input **SA-XR45** TV, DVD, DVR/VCR
SA-XR25 TV, DVD, VCR
 TV MONITOR
 Output

■ GENERAL

Power supply
 For Continental Europe AC 230 V, 50 Hz
 For the United Kingdom, Australia and New Zealand AC 230–240 V, 50 Hz
 For other areas AC 220–240 V, 50/60 Hz
 Power consumption 130 W
 Dimensions (W x H x D) 430 x 74 x 375 mm
 Mass **SA-XR45** 4.2 kg
SA-XR25 4 kg
 Power consumption in standby mode: **2 W**

Notes:

- Specifications are subject to change without notice. Mass and dimensions are approximate.
- Total harmonic distortion is measured by the digital spectrum analyzer.

Maintenance

To clean this unit, wipe with a soft, dry cloth.

- Never use alcohol, paint thinner or benzine to clean this unit.
- Before using chemically treated cloth, read the instructions that came with the cloth carefully.