

Voice- and contact-activated MIC priority output for additional power amplifiers (cascading) 24 V phantom power. output for monitor

available in 3 power classes  
**30 W – 60 W – 120 W**

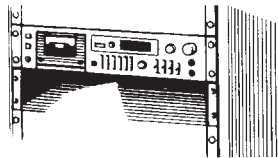


## Description

The desktop amplifiers of the TA-4000 series have been designed for demanding audio applications. The unit operates on mains power (230 V) or DC (24 V). All devices of this series have separate treble and bass controls. The speaker outputs are available as 100 V, 70 V, 25 V and 4 ohms low-impedance outputs.

Please consider the following features:

- Inputs 1-3 are balanced, inputs 4-5 are unbalanced. Inputs 1 and 4 can be switched from MIC to LINE (6.3 mm jack socket), inputs 2 and 3 are via XLR sockets, input 5 is on RCA sockets.
- MIC-1 has an electronic voice-activated priority override. The contact-activated priority override (terminal strip) get the inputs IN 1-3 opposite to INPUT-4 and AUX-5.
- All models feature switchable phantom power (+ 24 V) on the MIC inputs 2 and 3.
- A PRE-OUT output serves to connect additional amplifiers (cascading). This output is subject to control by all the controls on the front panel. Another 0 dB output may also be used to connect further amplifiers or central telephone systems, etc.
- Furthermore there are the TAPE-OUT outputs, e.g. for recording, and an additional LS output (1 W - 8 ohms) for a monitor speaker.
- An LED chain (multi-colour) serves as a power on indicator and also indicates the current signal level.
- All terminal strips are covered in accordance with the applicable CE regulations. Power is supplied through an IEC power connector. The appropriate power cord is supplied with the unit. The amplifiers are easy to maintain and are suitable for continuous operation.



Supplied with 19" mounting brackets.



Rear view of model TA-4120 KX

## Model designations

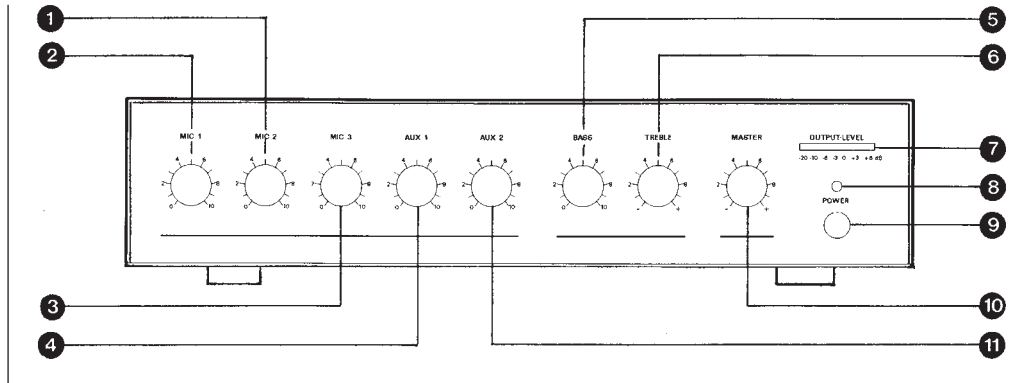
"4000 KX Series" microphone inputs 2 + 3 balanced on XLR sockets

**Desktop amplifier, 30/45 W (2 RU)..... TA-4030 KX**

**Desktop amplifier, 60/90 W (2 RU)..... TA-4060 KX**

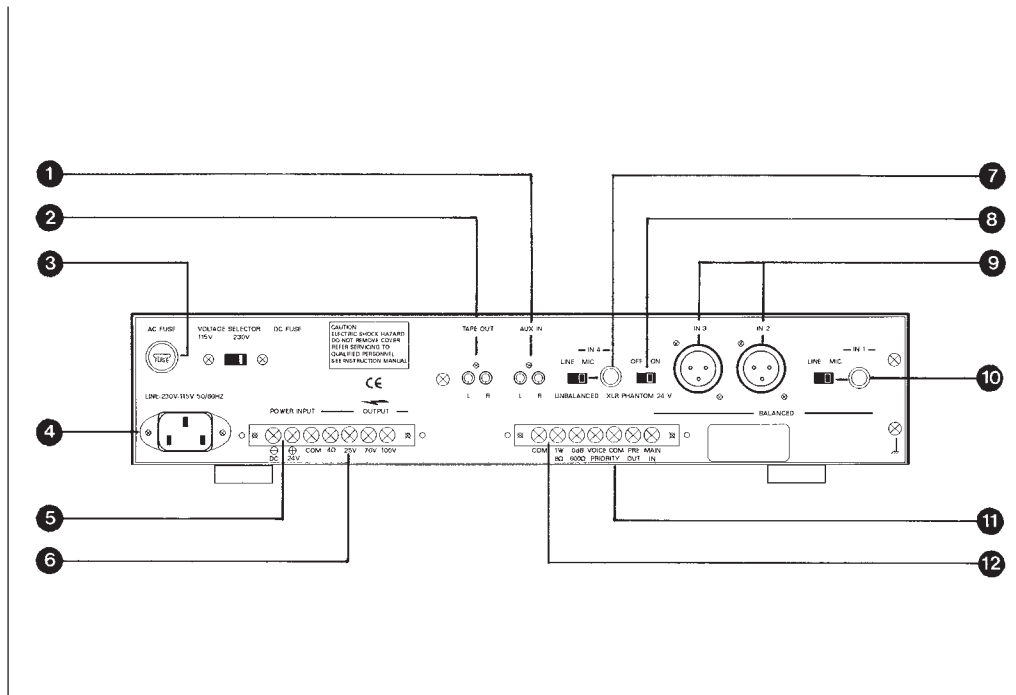
**Desktop amplifier, 120/180 W (2 RU)..... TA-4120 KX**

- 1 Volume control MIC-2
- 2 Volume control MIC-1 (with priority)
- 3 Volume control MIC-3
- 4 Volume control MIC-4 / AUX-1
- 5 Bass control
- 6 Treble control
- 7 Output level indicator
- 8 Pilot lamp for power switch
- 9 Power switch
- 10 Master control
- 11 Volume control AUX-2



Front view

- 1 AUX-IN (RCA sockets) for CD player, tape deck, etc.
- 2 TAPE-OUT (RCA sockets), e.g. for recording, etc.
- 3 AC fuse, DC fuses inside the device
- 4 IEC power inlet (cold condition)
- 5 Terminals for 24 V DC, e.g. emergency power supply
- 6 Speaker terminal strip for high-impedance (100 - 70 - 25 V) and low-impedance (4 - 16 ohms) outputs
- 7 MIC input, unbalanced, 600 ohms on jack socket (6.3 mm), switchable to LINE-IN
- 8 Switch for phantom power + 24 V, effect on MIC 2 + 3
- 9 MIC 2 + 3 on XLR sockets, balanced, 600 ohms
- 10 MIC-1, balanced, 6.3 mm jack socket, 600 ohms, switchable to LINE-IN
- 11 Terminal strip for various inputs such as PRIORITY, MAIN-IN, 0 dB-OUT, PRE-OUT
- 12 Monitor output, 8 ohms, 1 W.



Drawing shows model of the "KX" series

Rear view

Technical data	TA-4030 KX	TA-4060 KX	TA-4120 KX
Output power	30 W RMS (max. 45 W)	60 W RMS (max. 90 W)	120 W RMS (max. 180 W)
Frequency response	50 Hz -18000 Hz (-3 dB)	50 Hz -18000 Hz (-3 dB)	50 Hz -18000 Hz (-3 dB)
THD at 1 kHz	better than 1 %	better than 1 %	better than 1 %
MIC - LINE inputs	MIC 1: balanced, 6.3 mm jack socket, 600 ohms/0.5 mV - LINE: 220 kohms/100 mV MIC 2 + 3, balanced XLR socket (model -KX), 600 ohms/0.5 mV - switchable phantom power (+24V) MIC 4, unbalanced 6.3 mm jack socket, 600 ohms/0.5 mV INPUT 5 (Line), unbalanced RCA sockets, 100 mV - MAIN-IN on terminal strip, 1 V/10 kohms		
Microphone priority	Voice-activated priority of INPUT 1, contact-activated priority of INPUT 1, 2 and 3		
Outputs, speakers	100 V, 70 V and 25 V line, 4 -16 ohms low-impedance outputs		
AUX outputs	PRE-OUT on terminal strip, unbalanced, 1 V/10 kohms - TAPE-OUT on RCA sockets, unbalanced, 650 mV/4.7 kohms MONITOR-LS 1 W/8 ohms - 0 dB output, 775 mV/600 ohms		
Bass and treble control	Bass: ± 10 dB at 100 Hz, Treble: ± 10 dB at 10 kHz		
AC power supply	220/240 V mains at 50/60 Hz, switchable to 110 V (110 - 127 V)		
DC power supply	24 V	24 V	24 V
Current consumption (DC)	2.5 A at rated power	4.5 A at rated power	8.0 A at rated power
Dimensions and colour	420 (W) x 88 (H) x 280 (D) mm, black/charcoal grey		
Weight	approx. 6.9 kg	approx. 7.8 kg	approx. 10.0 kg