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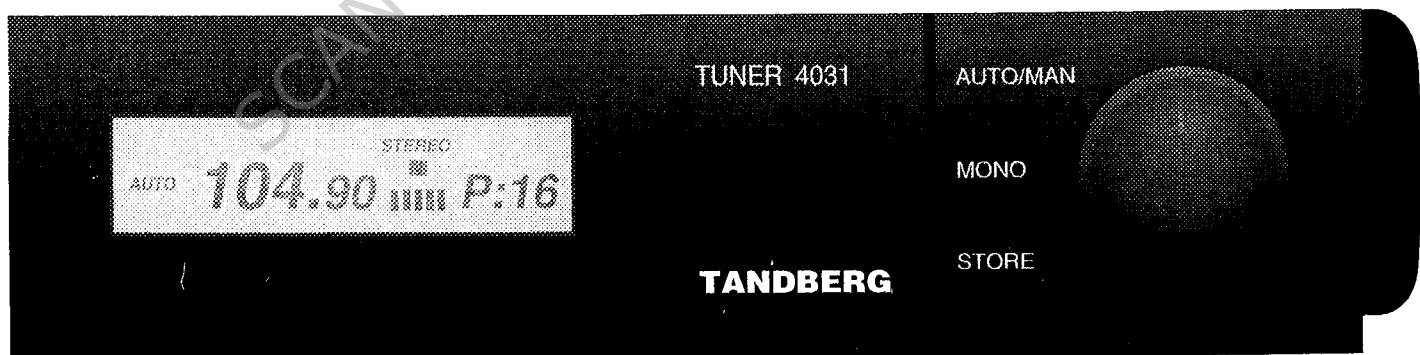
# TANDBERG

TUNER 4031

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## Operating Instructions

SCAN BY PACKRAT014 - NOT FOR RESALE



READ THIS FIRST!

## FOR YOUR SAFETY!

To prevent electrical shock or fire, do not expose electronic products to rain or moisture, and do not remove covers (or back). If anything fails, leave the repair to a qualified technician.

Pull out the power and antenna plugs during thunder storms and when you are away for a long time (e.g. holidays, etc.).

## WARNING!

Faults on the units caused by the circumstances described in the warnings below, do not necessarily apply for warranty service.

### Main power

In some areas the main power wall outlet carries high frequency data and intercom communications. To prevent this high frequency to reach the tuner, an HF filter should be connected in the power line. Ask your local Tandberg dealer if this high frequency exists in your area. Should this high frequency reach the receiver/power amplifier, and interfere with the electronics, damage may occur in the output stage or the speakers.



### Connecting

When connecting the units in a Hi-Fi system together, it is very easy to touch the hot wire on the phono lead and generate a hum signal. This signal can be amplified and cause damage to the receiver/power amplifier or the speakers. To avoid this problem, switch off all units in the system before connecting.

### Remote control (extra)

This Tuner can be operated from remote control RC 4070. See next page for more information.

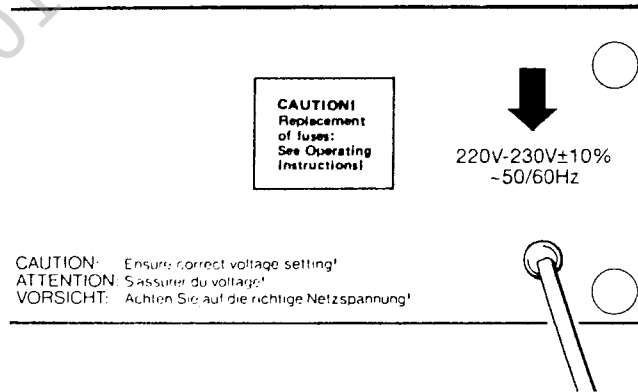
## Power requirements

Make sure the Tuner is marked at the rear panel with the correct mains voltage for your area.

US version: 110 V-115 V  $\pm 10\%$ ,  
50/60 Hz.  
European version: 220 V-230 V  $\pm 10\%$ ,  
50/60 Hz.

Changing the mains voltage setting and fuse (inside) should only be carried out by a qualified service technician.

The power consumption is 30 Watt maximum.



*Check that the tuner is marked with the correct mains voltage.*

## Connections

**Important!:** All connections must be carried out before the Power is switched on.

### Antenna input/Audio output

Connect the FM antenna to the Antenna input (75 ohm unbalanced).

Connect the Audio Outputs to a control amplifier/receiver. Output: Max. 1.0 V/1 kohm.

## Switching on

Press the Power switch on the front (left side) to switch on the tuner.

When the power is switched on, the tuner is set to:

- All previous settings and tuned to the last station you listened to.

## Controls on the tuner

### TUNING

#### Manual Search:

- Make sure that the AUTO symbol do not show in the display. If Necessary, press the AUTO/MAN button once.
- Turn and hold the tuner knob to the right (higher frequency) or to the left (lower frequency). The Center indicator symbol will show correct tuning on the station.

#### Auto search:

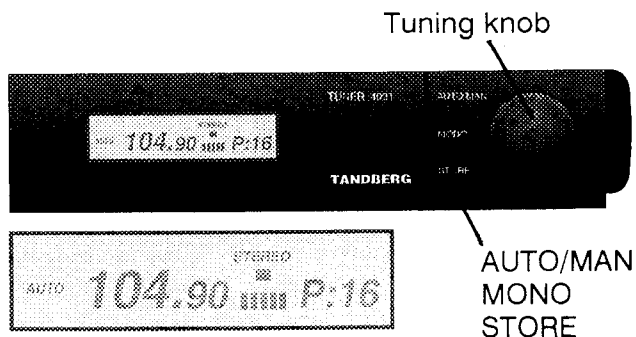
- If necessary, press the AUTO/MAN button so that the AUTO symbols shows in the display.
- Give the Tuning knob a short turn to the left (searching down) or right (serching up) and the tuner will stop at the nearest station with a signal strong enough for reception.

### MONO

- Press the MONO button for mono reproduction of programs (the MONO symbol will show in the display).

### PRESETS

- Select the station you wish to store.



- Press the STORE button and the display shows the preset No. (P:1, P:2, P:3 - P:16).
- Turn the tuning knob to the right or left to select the preset number you want and press the STORE button once more.
- Before you can tune in a new station, press the Tuning button once.
- Select a new station, press the STORE button, select a different preset number with the Tuning knob and press the STORE button once more.
- Remember: Press the Tuning button once to cancel the preset mode.

### Remote Control Operation

**Note:** The tuner does not have a stand-by function. The tuner must be switched on and off with the power switch.

#### Selecting the tuner

First, press the TUNER button once. Now the Remote Control is in TUNER mode until you select a different unit.

#### Selecting Presets

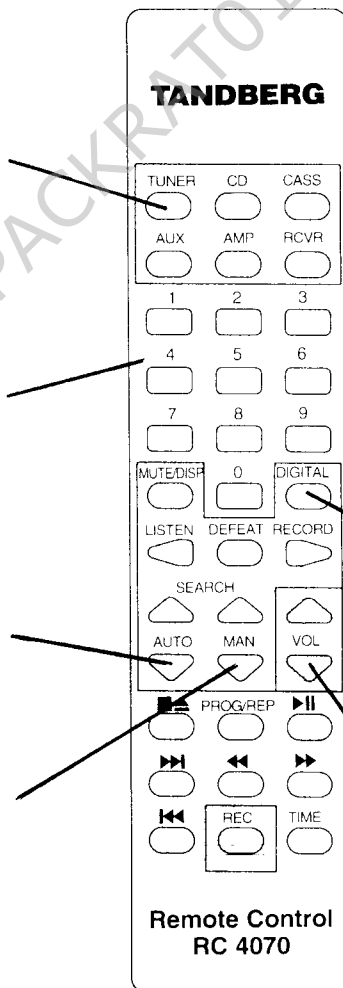
Press one of the number buttons (1 - 9) to select presets 1 to 9. Presets 10 to 16, press 1, and within 2 seconds, a number button from 0 to 6.

#### Auto Search

Press the AUTO button and one of the SEARCH buttons (next station up or down).

#### Manual Search

Press the MAN button and one of the SEARCH buttons (lower or higher frequency).



#### Presets (storing a station)

- Select the station you wish to store. (Use manual or auto search.)
- Press the PROG/REP button once, and the P symbol in the display will flicker.
- Select the preset No. with one of the MAN SEARCH buttons.
- To store the station, press the PROG/REP button.
- Select a new station, and repeat the storing sequence.

#### Digital

Direct access to the station.

- Press the DIGITAL button first and then enter the frequency of the station you want (four or five digits).
- Press the DIGITAL button once more to leave this mode.

#### Volume

Adjust the output level (VOL) so that the level in the speakers are the same when you switch the program sources on your control amplifier/receiver.

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**Technical data**

Usable sensitivity:	Mono	1.1 $\mu$ V/75 ohm
50 dB Quieting Sensitivity:	Mono	2 $\mu$ V/75 ohm
	Stereo	20 $\mu$ V/75 ohm
Signal-to-Noise Ratio:	Mono	82 dB
	Stereo	78 dB
Harmonic Distortion at 65 dBf (1 kHz):	Mono	0.15%
	Stereo	0.15%
Frequency Response 30 - 15000 Hz:	Mono	+0.5 dB - 1 dB
	Stereo	+0.5 dB - 1 dB
Capture Ratio:		1.0 dB
Alternate Channel Selectivity $\pm$ 400 Hz:		<100 dB
Spurious Response Ratio:		<90 dB
Stereo Separation:	60 - 10000 Hz	<45 dB
		70 dB
Subcarrier Product Ratio:		
Power Requirements:		110/230 V $\pm$ 10%, 50/60 Hz
Power Consumption:		Max. 30 W
Dimensions (W x D x H mm):		435 x 350 x 83
Weight (kg):		4.9

**NOTE**

The information in this manual is subject to improvements without notification. Additional pages may be inserted in future editions. The user is asked to excuse any omissions or errors in the present edition.

No responsibility is assumed if accidents occur while the user is following the instructions in this manual. No responsibility is assumed for defects in the unit's firmware.

We shall have no liability or responsibility to customer or any person or entity with respect to any liability, loss or damage caused or alleged to be caused directly or indirectly by equipment sold or furnished by us, including but not limited to, any interruption of service, loss of business or anticipatory profits or consequential damages resulting from use or operation of the equipment or software.

