DESCRIPTION
REAL COMPETENCE

SINE CT 1
Chromatic Rack Tuner

TERRATEC PRODUCER/SINE CT 1

English Manual

Version 1.0, last revised: November 2003

CE Declaration

We:

TerraTec Electronic GmbH, Herrenpfad 38, D-41334 Nettetal, Germany

hereby declare that the product:

TerraTec Producer SINE CT 1,

to which this declaration refers is in compliance with the following standards or standardizing documents:

1. EN 55013

2. EN 55020

The following are the stipulated operating and environmental conditions for said compliance:

residential, business and commercial environments and small-company environments.

This declaration is based on:

Test report(s) of the EMC testing laboratory

Contents

Important safety information

■ Please read all instructions before using this device.

■ Never use the device near water, i.e. next to a bathtub, sink, or drain, in a damp basement or near a swimming pool.

■ Used in combination with an amplifier and headphones or speakers, this device can cause sound levels that may result in lasting hearing damage. Avoid long exposure to excessive or unpleasantly high volume levels. Consult an ear specialist immediately if you detect a loss of hearing or a ringing in your ears.

■ Ensure adequate ventilation for the device when setting it up.

■ Do not install it near sources of heat such as radiators, ovens or similar devices.

■ Ensure that the device is connected only to a standard AC outlet.

■ Position it in such a manner that no dust, liquids or foreign objects can enter the housing.

■ Unplug the external power supply from the AC outlet if you do not intend to use the device for an extended period.

■ The device must be serviced by trained personnel if:

  o the external power supply is damaged,

  o objects or liquids have entered the device,

  o the device was left in the rain,

  o the device was damaged by dropping,

  o the device is malfunctioning.

■ Do not attempt to repair the device yourself. Please consult a trained technician.

■ Please ensure that all analog devices are turned off before plugging them in. This will protect you from any possible—albeit weak—electrical shocks, as well as protecting your speakers and your hearing from sudden peaks. For digital devices, be sure to at least lower the volume on your playback equipment.

Welcome!

We are pleased that you have chosen a TerraTec Rack Tuner and would like to congratulate you on your decision. You've purchased a sophisticated product representing the state of the art of studio technology, and we're convinced that our product will prove extremely useful to you in the coming years and provide you with a great deal of entertainment.

This manual describes the SINE CT 1 Rack Tuner. It contains everything you need to know about the correct use of the systems, as well as a number of practical tips that will get you started right away.

We hope you enjoy your tuner and would like to suggest that you browse this hopefully entertaining manual when you get the chance. In addition to the important information about its technology, we have outlined a number of typical applications as well as tips and tricks wherever appropriate. We're convinced that even experienced users will profit from this guide.

Thanks for your attention—and here's to your creativity.

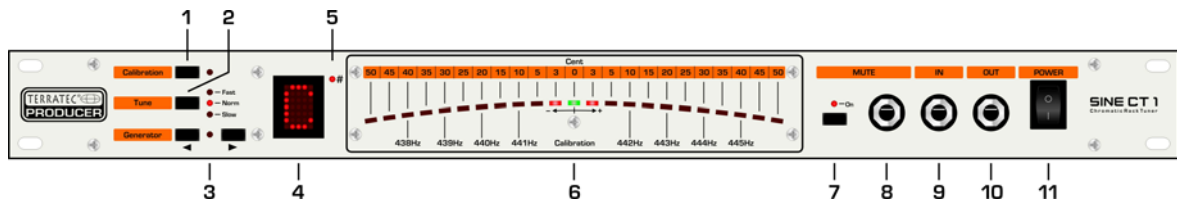Sincerely,Your TerraTec Producer Team

Scope of delivery

Start by making sure that the contents of the package are complete. The tuner **SINE CT 1** package should contain the following items:

- 19" Rack Tuner SINE CT 1
- 12V AC power adapter
- customer service card
- Registration card with the serial number
- BeSonic Premium Account registration card
- This manual

Please return the enclosed registration card to us at the earliest possible opportunity or register online at **http://www.terratec.com/register.htm**. This is important for support and hotline services.
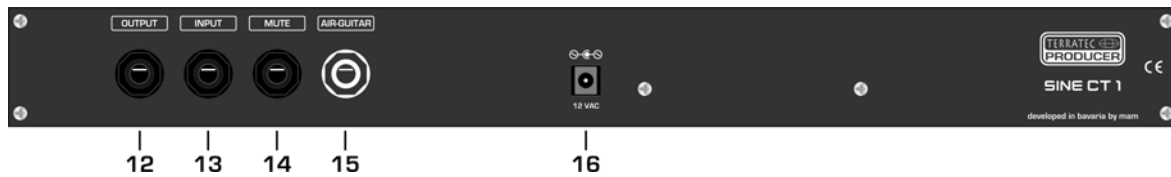
Connections and controls

The front panel

1. CALIBRATION: Press the calibration button repeatedly to select the reference tone that will then be displayed via the LED chain (from 438 Hz to 445 Hz in 1 Hz steps)

2. TUNE: This button adjusts the display sensitivity of the LED chain. Press it repeatedly for a slower or faster display response.

3. GENERATOR: Press this button to play the reference tone. Use the buttons above the arrows to select higher or lower tones that will be sustained automatically if the button is pressed for an extended period. Press the TUNE button to return to tuning mode.

4. DISPLAY: The tone currently being played is displayed here.

5. #: Semitone LED

6. LED chain for one-cent tuning precision

7. MUTE button to suppress the tone while tuning. The associated LED lights up when the signal is muted.

8. MUTE socket for optional foot switch

9. IN: Input socket (1/4" mono jack)

10. OUT: Output socket (1/4" mono jack) for signal feed-through

11. Power: Power switch

The rear panel

1. OUTPUT: Output socket (1/4" mono jack) for signal feed-through

2. INPUT: Input socket (1/4" mono jack)

3. MUTE: Socket for optional foot switch

4. AIR GUITAR: Plug your air guitar in here ;-)

5. 12VAC: AC power

Function

Connect an instrument to the INPUT socket. The tone you are currently playing will appear on the display. In the case of semitones, the LED above the # will also be lit. Tune the instrument so that the green LED in the middle of the LED chain lights up. You can tune to an accuracy of within one cent (100 cents = 1 semitone). Under some circumstances the red LEDs (+/- 3 cents) on either side of the green central LED may also light up without significantly affecting the tuning results. The sockets located on the rear panel are identical to those on the front. The front sockets have priority when both are in use, however.

Technical data

Tuning:	Automatic (Hz/cents)
Range:	25 Hz to 3.5 kHz
Reference tones:	C1 - B5 in semitones
Calibration function:	438 Hz to 445 Hz
Connectors, front/back:	1/4" mono jack per input/output/mute
Dimensions:	482.6 x 87 x 44 mm (19", 1U)

Service at TerraTec Producer

Sometimes, no matter how good the weather is, things do not always work as they should. Problems can arise in the best studio systems. If this happens to you, the TerraTec Producer team is happy to offer its service and support.

Internet, Hotline

If you have a tough problem—where you cannot solve the problem yourself, the support in this manual doesn't resolve the problem, and your dealer can't fix it either—please contact us directly.

If possible, try our Internet support system first: under **http://www.terratec.com/** you will always find current answers to frequently asked questions (FAQ).

If these options do not provide the necessary help, please contact our phone hotline. You can also reach us online. To do so, visit us at **http://supporten.terratec.net/**.

In either case, please have the following information handy:

■ your registration number

■ this documentation.

In addition, it would be helpful to our technicians if you are at your device during the phone call to directly carry out tips and tricks. Please do not forget to write down the name of the respective support technician if you contact our Support Team. You will need this name if a defect is present and your device needs to be mailed to us.