YAMAHA

THR Series
Guitar Amplifier

THR10/THR10C/THR10X
THR5/THR5A

Owner's Manual
取扱説明書
Bedienungsanleitung
Mode d'emploi
Manuale dell'utente
Manual de instrucciones
Руководство пользователя
使用手册
사용설명서



English
日本語
Deutsch
Français
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COMPLIANCE INFORMATION STATEMENT (DECLARATION OF CONFORMITY PROCEDURE)

Responsible Party :	Yamaha Corporation of America
Address :	6600 Orangethorpe Ave., Buena Park, Calif. 90620
Telephone :	714-522-9011
Type of Equipment :	GUITAR AMPLIFIER
Model Name :	THR10/THR10C/THR10X/THR5/THR5A

This device complies with Part 15 of the FCC Rules.
Operation is subject to the following two conditions:
1) this device may not cause harmful interference, and
2) this device must accept any interference received including interference that may cause undesired operation.
See user manual instructions if interference to radio reception is suspected.

* This applies only to products distributed by YAMAHA CORPORATION OF AMERICA. (FCC DoC)

FCC INFORMATION (U.S.A.)

1. IMPORTANT NOTICE: DO NOT MODIFY THIS UNIT!
This product, when installed as indicated in the instructions contained in this manual, meets FCC requirements. Modifications not expressly approved by Yamaha may void your authority, granted by the FCC, to use the product.

2. IMPORTANT: When connecting this product to accessories and/or another product use only high quality shielded cables. Cable/s supplied with this product MUST be used. Follow all installation instructions. Failure to follow instructions could void your FCC authorization to use this product in the USA.

3. NOTE: This product has been tested and found to comply with the requirements listed in FCC Regulations, Part 15 for Class "B" digital devices. Compliance with these requirements provides a reasonable level of assurance that your use of this product in a residential environment will not result in harmful interference with other electronic devices. This equipment generates/uses radio frequencies and, if not installed and used according to the instructions found in the users manual, may cause interference harmful to the operation of other electronic devices. Compliance with FCC regulations does not guarantee that interference will not occur in all installations. If this product is found to be the source of interference, which can be determined by turning the unit "OFF" and "ON", please try to eliminate the problem by using one of the following measures:

Relocate either this product or the device that is being affected by the interference.

Utilize power outlets that are on different branch (circuit breaker or fuse) circuits or install AC line filter/s.

In the case of radio or TV interference, relocate/reorient the antenna. If the antenna lead-in is 300 ohm ribbon lead, change the lead-in to co-axial type cable.

If these corrective measures do not produce satisfactory results, please contact the local retailer authorized to distribute this type of product. If you can not locate the appropriate retailer, please contact Yamaha Corporation of America, Electronic Service Division, 6600 Orangethorpe Ave, Buena Park, CA90620

The above statements apply ONLY to those products distributed by Yamaha Corporation of America or its subsidiaries.

* This applies only to products distributed by YAMAHA CORPORATION OF AMERICA. (class B)

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:
(1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

This Class B digital apparatus complies with Canadian ICES-003.
Cet appareil numérique de la classe B est conforme à la norme NMB-003 du Canada.

For U.K. customers

If the socket outlets in the home are not suitable for the plug supplied with this appliance, it should be cut off and an appropriate 3 pin plug fitted. For details, refer to the instructions described below.

Note

The plug severed from the mains lead must be destroyed, as a plug with bared flexible cord is hazardous if engaged in a live socket outlet.

SPECIAL INSTRUCTIONS FOR U.K. MODEL

IMPORTANT NOTICE FOR THE UNITED KINGDOM

Connecting the Plug and Cord

WARNING: THIS APPARATUS MUST BE EARTHED IMPORTANT.
The wires in this mains lead are coloured in accordance with the following code:

GREEN-AND-YELLOW : EARTH
BLUE : NEUTRAL
BROWN : LIVE

As the colours of the wires in the mains lead of this apparatus may not correspond with the coloured markings identifying the terminals in your plug proceed as follows:

The wire which is coloured GREEN-and-YELLOW must be connected to the terminal in the plug which is marked by the letter E or by the safety earth symbol ⏚ or colored GREEN or GREEN-and-YELLOW.

The wire which is coloured BLUE must be connected to the terminal which is marked with the letter N or coloured BLACK.

The wire which is coloured BROWN must be connected to the terminal which is marked with the letter L or coloured RED.

(3 wires)

CAUTION: READ THIS BEFORE OPERATING YOUR UNIT.

To assure the finest performance, please read this manual carefully. Keep it in a safe place for future reference.

1 Install this unit in a well ventilated, cool, dry, clean place - away from direct sunlight, heat sources, vibration, dust, moisture, and/or cold. (Do not use/keep this unit in a car etc.)

2 Locate this unit away from other electrical appliances, motors, or transformers to avoid humming sounds.

3 Do not expose this unit to sudden temperature changes from cold to hot, and do not locate this unit in an environment with high humidity (i.e. a room with a humidifier) to prevent condensation inside this unit, which may cause an electrical shock, fire, damage to this unit, and/or personal injury.

4 Avoid installing this unit where foreign objects may fall onto this unit and/or this unit may be exposed to liquid dripping or splashing. On the top of this unit, do NOT place:

-- Other components, as they may cause damage and/or discoloration on the surface of this unit.

-- Burning objects (i.e. candles), as they may cause fire, damage to this unit, and/or personal injury.

-- Containers with liquid in them, as they may fall and liquid may cause electrical shock to the user and/or damage to this unit.

5 Do not cover this unit with a newspaper, tablecloth, curtain, etc. in order not to obstruct heat radiation. If the temperature inside this unit rises, it may cause fire, damage to this unit, and/or personal injury.

6 Do not operate this unit upside-down. They may overheat, possibly causing damage.

7 Do not use force on switches, knobs, and/or cords.

8 When disconnecting the power cable from the wall outlet, grasp the AC plug; do not pull the cord.

9 Do not clean this unit with chemical solvents; this might damage the finish. Use a clean, dry cloth.

10 Only the voltage specified on this unit must be used. Using this unit with a higher voltage than specified is dangerous and may cause fire, damage to this unit, and/or personal injury. Yamaha will not be held responsible for any damage resulting from use of this unit with a voltage other than that specified.

11 If the power adaptor you are using has a grounded three-prong plug, make sure that the plug is connected to an appropriate outlet with a protective grounding connection. Improper grounding can result in electrical shock.

12 Do not connect the instrument to an electrical outlet using a multiple-connector. Doing so can result in lower sound quality, or possibly cause overheating in the outlet.

13 Before connecting the instrument to other electronic components, turn off the power for all components. Before turning the power on or off for all components, set all volume levels to minimum.

14 Be sure to set the volumes of all components at their minimum levels and gradually raise the volume controls while playing the instrument to set the desired listening level.

15 Do not attempt to modify or fix this unit. Contact qualified Yamaha service personnel when any service is needed. The cabinet should never be opened for any reason.

16 When not planning to use this unit for long periods of time (i.e. when going on vacation), disconnect the power cable from the AC wall outlet.

17 Be sure to read the “TROUBLESHOOTING” section regarding common operating errors before concluding that the unit is faulty.

18 Before moving this unit, disconnect the power cable from the wall outlet.

19 Be sure to use the AC adaptor supplied with this unit. Using an AC adaptor other than the one provided may cause fire or damage to this unit.

20 Do not use batteries other than those recommended on page 15. Using other types of batteries may result in an inability to achieve full function of the unit, cause unit failure, or damage.

21 Always replace all batteries at the same time. Do not use new batteries together with old ones.

22 Do not mix battery types, such as alkaline batteries with manganese batteries, or batteries from different makers, or different types of batteries from the same maker, since this can cause overheating, fire, or battery fluid leakage.

23 If the batteries do leak, avoid contact with the leaked fluid. If the battery fluid should come in contact with your eyes, mouth, or skin, wash immediately with water and consult a doctor. Battery fluid is corrosive and may possibly cause loss of sight or chemical burns.

24 Always make sure all batteries are inserted in conformity with the +/- polarity markings. Failure to do so might result in overheating, fire, or battery fluid leakage.

25 When the batteries run out, or if the instrument is not to be used for a long time, remove the batteries from the instrument to prevent possible leakage of the battery fluid.

26 Install this unit near the wall outlet and where the power cable can be reached easily.

27 For added protection for this product during a lightning storm, or when it is left unattended and unused for long periods of time, unplug it from the wall outlet. This will prevent damage to the product due to lightning and powerline surges.

28 The batteries shall not be exposed to excessive heat such as sunshine, fire or the like. When you dispose of batteries, follow your regional regulations.

29 Do not use the instrument/device or headphones for a long period of time at a high or uncomfortable volume level, since this can cause permanent hearing loss. If you experience any hearing loss or ringing in the ears, consult a physician.

There is a chance that placing this unit too close to a CRT-based (Braun tube) TV set might impair picture color. Should this happen, move this unit away from the TV set.

WARNING

TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, DO NOT EXPOSE THIS UNIT TO RAIN OR MOISTURE.

CAUTION

Danger of explosion if battery is incorrectly replaced. Replace only with the same or equivalent type.

Yamaha cannot be held responsible for damage caused by improper use or modifications to the instrument, or data that is lost or destroyed.

The name plate is located on the bottom of the unit.

* Even when the power switch is in standby status, electricity is still flowing to the instrument at the minimum level. When you are not using the instrument for a long time, make sure you unplug the power cord from the wall AC outlet.

Information

■ About copyrights

- Copying of the commercially available musical data including but not limited to MIDI data and/or audio data is strictly prohibited except for your personal use.
- This product incorporates and bundles computer programs and contents in which Yamaha owns copyrights or with respect to which it has license to use others' copyrights. Such copyrighted materials include, without limitation, all computer software, style files, MIDI files, WAVE data, musical scores and sound recordings. Any unauthorized use of such programs and contents outside of personal use is not permitted under relevant laws. Any violation of copyright has legal consequences. DON'T MAKE, DISTRIBUTE OR USE ILLEGAL COPIES.

■ About this manual

- The illustrations and LCD screens as shown in this manual are for instructional purposes only, and may appear somewhat different from those on your instrument.
- Unless otherwise stated, all illustrations used in this manual are of the THR10 or THR5.
- Windows is a registered trademark of Microsoft® Corporation in the United States and other countries.
- Apple, Mac and Macintosh are trademarks of Apple Inc., registered in the U.S. and other countries.
- The company names and product names in this manual are the trademarks or registered trademarks of their respective companies.

Thank you for purchasing the Yamaha THR Guitar Amplifier. In order to get the most of this product, please read this Owner's Manual thoroughly before using. After you've finished reading the manual, keep it in a safe place for future reference.

■ Features

- **Compact design delivers professional quality guitar and audio sound.**
  - * The THR utilizes a newly developed amp-modeling technology made possible with Yamaha's original VCM technology*. With this new technology, the user interface is able to reproduce the operational characteristics of each control to deliver guitar amp sound with greater realism.
  - * The THR offers high quality audio sound that only a company like Yamaha, with its expertise in advanced audio technologies, can deliver. Its ability to playback audio files on a computer via a USB connection, or playback audio files on a smartphone or other audio playback device connected to the AUX IN jack, makes it feel like you are in the studio, playing along with the musicians as they record. And because the THR is portable, you can enjoy this experience wherever you like.
- **Incorporates VCM Effects similar to those found in Yamaha's high-end mixers for high quality effects.**
- **Utilizes Yamaha's original Extended Stereo technology to deliver an unbelievably wide stereo image, wider than the unit's compact size.**
- **Includes a download access code for Steinberg's professional quality music production software Cubase AI that lets you enjoy full-fledged recording in the convenience of your home.**
- **Two-way power system allows the unit to operate either on AC power or battery power so you can use the amp outside and other places that lack access to AC power.**
- **Includes a chromatic auto tuner.**

What is VCM Technology?

An original physical modeling technology developed by Yamaha, VCM Technology reproduces the characteristics of analog circuitry at a micro level to accurately reproduce the modeled equipment.

■ Package Contents

The following items are included in the package. Make sure that all items are present.

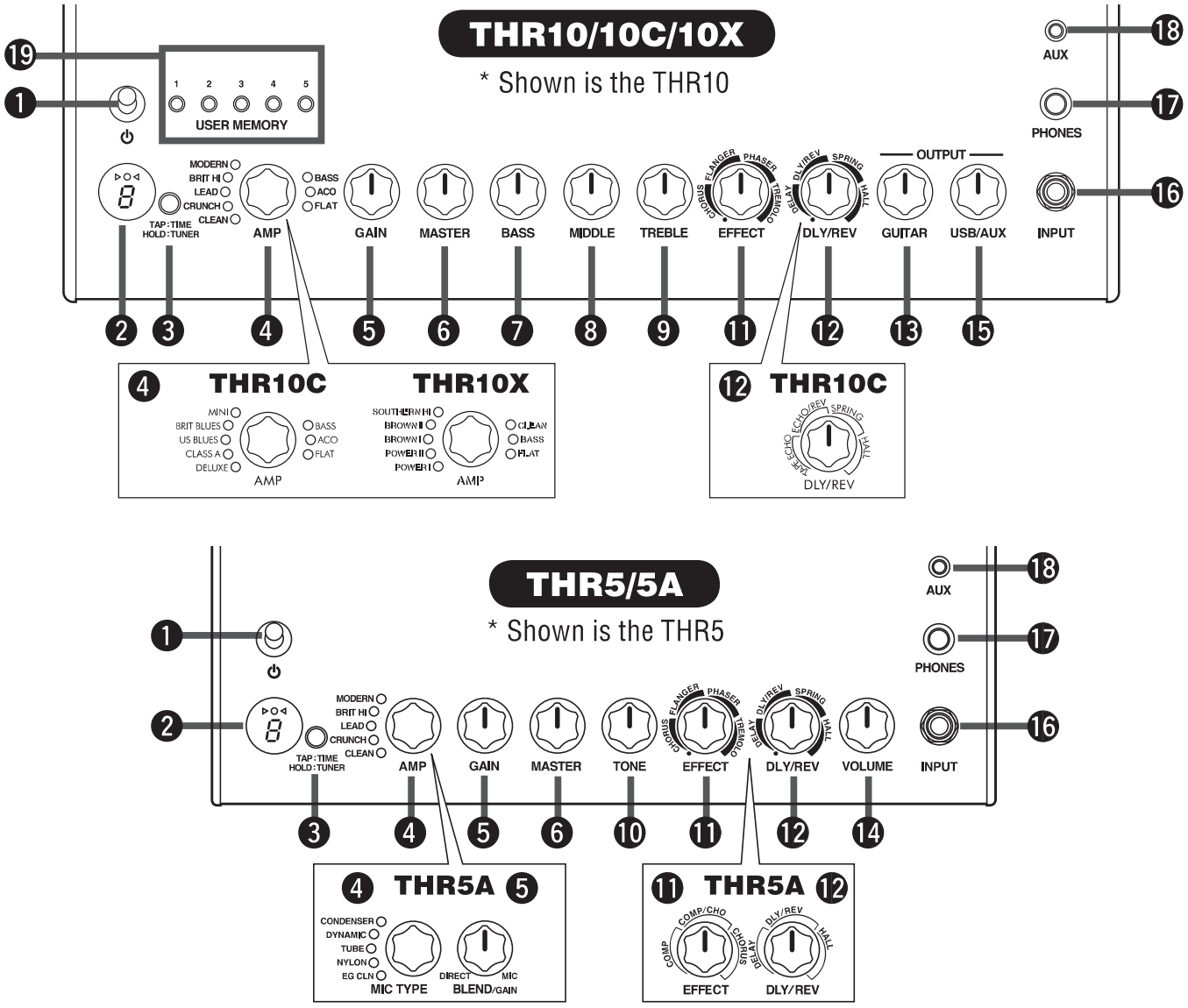
- ❑ THR Main Unit
- ❑ Power Adaptor
- ❑ Owner's Manual (this booklet)
- ❑ Stereo Mini Cable
- ❑ USB Cable
- ❑ Cubase AI Download Access Code

Contents

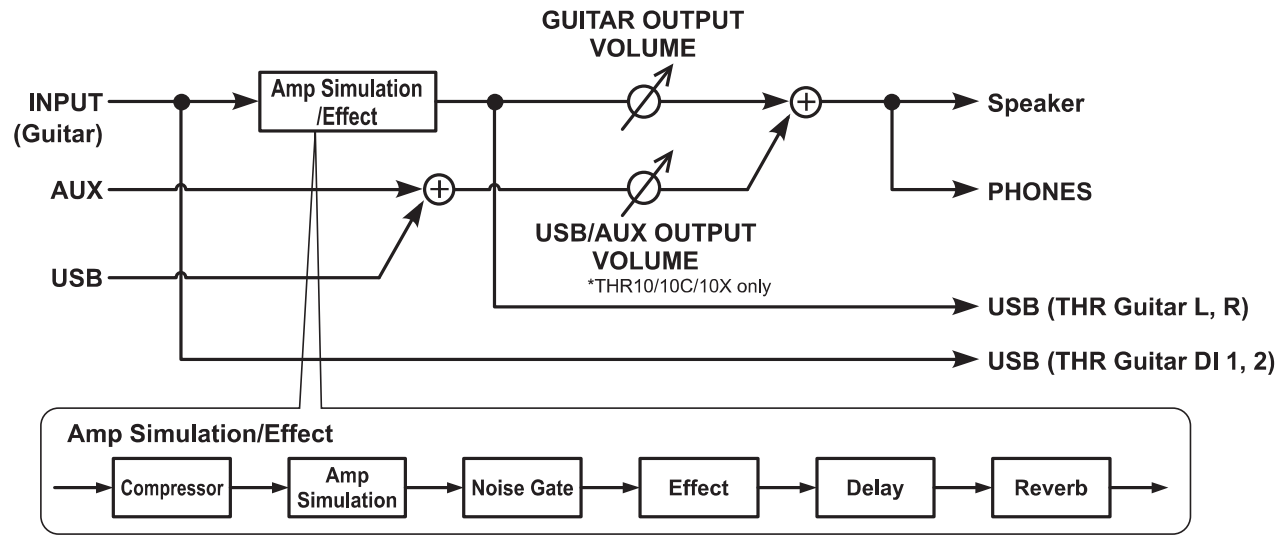
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Names And Functions

■ Control Panel



● Block Diagram of Amp Simulation and Effects



❶ ⏻ (Power Switch)

This is the unit's power switch.
When the power is ON, the lamp corresponding to the selected amp type and the Power Lamp in the speaker cabinet light.

*** The Power Lamp in the speaker cabinet can be switched ON or OFF using the THR Editor. (page 18).**

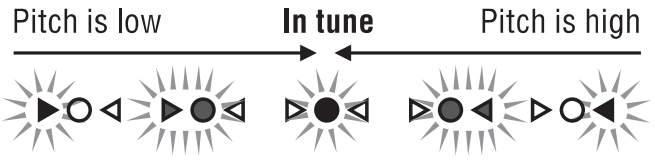
❷ LED Display

Indicates each of the THR's settings and conditions.

❸ TAP/TUNER

■ Tuner Function

Holding the switch for 1 second engages the tuner function and lights the ▷ ○ ◁ indicators.
The tuner is calibrate to A4=440Hz. Tune the guitar until the pitch that you want to tune to appears in the display.
Tuning is complete when only the ○ in the center of the ▷ ○ ◁ display is visible.



Press the TAP/TUNER switch (less than one second) to turn OFF the tuner function.

*** When the tuner function is set ON, guitar sound to the main speakers, PHONES, and USB is muted. Input received from the AUX and USB jacks is output.**

■ Tap Tempo Function

When a DLY or DLY/REV effect is selected with the DLY/REV ⓬ control, the tempo of the delay can be set by tapping (more than twice) on the switch.

■ Extended Stereo Setting

Hold the switch for more than three seconds to switch the Extended Stereo* function ON/OFF.
ON: "#" on LED ❷ is off (default setting).
OFF: "#" on LED ❷ is lit.

*** Extended Stereo: The Extended Stereo function produces a much wider stereo field. Extended Stereo effects the USB/AUX inputs as well as guitar sounds with DLY/REV or HALL effects applied.**

*** The Extended Stereo setting (ON/OFF) is saved when the power is switched OFF.**

❹ AMP (THR10/10C/10X and THR5 only)

Selects the amp type. The lamp for the corresponding amp type lights.

*** When the power is switched ON, the most recent amp type is selected.**

■ Tips on Creating Sound

THR's GAIN ❺ and MASTER ❻ controls work in the same way as the preamp and master controls on a tube amp. The GAIN ❺ control provides preamp gain and distortion while the MASTER ❻ control affects power amp level. The response of the MASTER ❻ control differs depending on the amp model used but it affects volume, gain and power amp compression.Using the GUITAR OUTPUT ⓭ control you can use the amp's GAIN ❺ and MASTER ❻ controls to set your tone at any level.
THR utilizes a newly designed amp-modeling technology using Yamaha's Virtual Circuitry Modeling (VCM) technology. VCM gives THR the power to model real amps incredibly accurately, with each control working and responding exactly as it does on the real thing.

Amp Type Descriptions: THR10/THR5

CLEAN: Rich, clean tones from a 6L6 power section with gentle breakup for incredible jazz, blues and country sounds.

*** When the BASS, MIDDLE, and TREBLE controls are all set to 0, there is no guitar sound output.**

CRUNCH: Low-powered, class-A tube output with bright, clear, dynamic power amp distortion characteristics.

LEAD: Classic British single channel tone. A combination of a low-gain preamp section and EL34s in the power section give rich, controllable distortion with great midrange definition.

BRIT HI: EL34s keep the classic British clarity while a higher gain preamp allows you to push the amp into serious distortion.

MODERN: Ultra high-gain input section combined with 6L6 output section delivers smooth, powerful distortion and awesome power amp compression.

*** The following three amp types are available only on the THR10.**

BASS: High-power all-tube design for dynamic, driving bass tone.

ACO: Electro-acoustic optimized input with mic simulations for natural, clear tone.

FLAT: Flat response clean input for line sources, tone and effect controls allow shaping of non-guitar sources.

Amp Type Descriptions: THR10C

DELUXE: This channel delivers a clear, rich, clean tone characteristic of an American combo amp and the characteristic sound of a 12-inch speaker cabinet.

CLASS A: Bright, warm distortion typical of a class A amp found in a boutique amplifier. Perfect for playing Blues or Country music.

US BLUES: The distinct bright midrange tone of an American Blues combo amp complete with its unique small cabinet resonance.

BRIT BLUES: Distortion and great mid-range tone of a classic British combo amp that combined moderate preamp gain with an EL34 tube power-amp.

MINI: The sound and distortion of a simple, straightforward mini-amp circuit. Sensitive to changes in the guitar's volume control and subtle picking nuances.

BASS, ACO, FLAT: These are the same as on the THR10. Refer to the entries on the left.

Amp Type Descriptions: THR10X

POWER I: Characteristic thick bass tone of the crunch channel on a German-made high-gain amp.

POWER II: This Lead channel delivers more gain and low-end than the POWER I channel.

BROWN I: Distinct American Hard Rock sound that has an edgy tone perfect for tight backing.

BROWN II: This channel delivers richer low-end and greater sustain than the BROWN I channel.

SOUTHERN HI: A powerful high-gain preamp combined with a 6L6 tube power amp delvers an intense Heavy-Metal sound.

CLEAN: This channel delivers a clear, rich, clean tone characteristic of an American combo amp and the characteristic sound of a 12-inch speaker cabinet.

BASS, FLAT: These are the same as on the THR10. Refer to the entries on the left.

❹ MIC TYPE (THR5A only)

Select the mic simulation type that you want to apply to the acoustic guitar's sound (EG CLN only is a guitar amp type). The lamp corresponding to the selected mic type lights.

*** The last used mic type is automatically selected when the power is switched ON.**

■ Tips on Creating Sound

Use the BLEND/GAIN ❺ knob to mix the amount of direct pickup sound with the mic simulation sound when any mic type (except for EG CLN) is selected. Control the guitar's volume with the VOLUME ⓮ knob.

Mic/Amp Type Descriptions: THR5A

CONDENSER: The condenser microphone setting gives the acoustic guitar a rich, midrange tone.

DYNAMIC: The dynamic microphone setting gives the acoustic guitar a tight tonal core.

TUBE: The tube microphone setting gives the acoustic guitar a rich midrange tone.

NYLON: Perfect for use with an acoustic-electric classical or nylon string guitar.

EG CLN: This setting is designed for electric guitars and delivers a clear, rich, clean tone characteristic of an American combo amp and the characteristic sound of a 12-inch speaker cabinet.

❺ GAIN (THR10/10C/10X and THR5 only)

Adjusts the amount of guitar distortion. Rotate the knob clockwise to increase the amount of distortion.

*** On the THR10/10C, the blend function, which blends the pickup direct sound with the mic simulation sound, is active when ACO is selected with the AMP ❹ control. (Setting the blend function to its minimum level produces the pickup direct sound only while a maximum setting produces the mic sound only.)**

❺ BLEND/GAIN (THR5A only)

Blends the direct sound of the pickup with the sound of the mic simulation when a MIC TYPE ❹ other than EG CLN is selected (the minimum setting is direct sound only, maximum setting is microphone only). When EG CLN is selected as the MIC TYPE ❹, it adjusts the amount of distortion in the guitar sound. Turning the knob clockwise increases the amount of distortion.

❻ MASTER

Adjusts the volume for the amp section. Rotate the knob clockwise to increase volume while reproducing compression and poweramp distortion of the simulated amp.

*** Only adjusts the volume when BASS, ACO, or FLAT is selected with the AMP ❹ control (THR10/10C/10X only).**

*** On the THR5A, this control only adjusts the volume when a MIC TYPE ❹ other than EG CLN is selected.**

❼ BASS (THR10/10C/10X only)

Tone adjustment for the guitar's sound. Rotate the knob clockwise to enhance the low range frequencies.

❽ MIDDLE (THR10/10C/10X only)

Tone adjustment for the guitar's sound. Rotate the knob clockwise to enhance the mid-range frequencies.

❾ TREBLE (THR10/10C/10X only)

Tone adjustment for the guitar's sound. Rotate the knob clockwise to enhance the high-range frequencies.

❿ TONE (THR5/5A only)

Tone adjustment for the guitar's sound. Rotate the knob clockwise to brighten the sound and counterclockwise to darken it.

⓫ EFFECTS

On the THR10/10C/10X, or THR5, this selects one of the four different effects; CHORUS, FLANGER, PHASER, and TREMOLO.

On the THR5A, this selects one of the three different effects; COMPRESSOR, COMPRESSOR/CHORUS, and CHORUS.

Rotate the knob clockwise to increase the amount of each effect.

*** Rotate the knob fully to the left to set the effect OFF.**

⓬ DLY/REV

On the THR10/10X, or THR5, this selects one of the four different effects; DELAY (delay), DLY/REV (delay/reverb), SPRING (spring reverb), and HALL (hall reverb).
On the THR10C, this selects one of the four different effects; TAPE ECHO, ECHO/REV (tape echo/reverb), SPRING (spring reverb), and HALL (hall reverb).
On the THR5A, this selects one of the three different effects; DELAY (delay), DLY/REV (delay/reverb), and HALL (hall reverb).
Rotate the knob clockwise to increase the amount of each effect.

*** Rotate the knob fully to the left to set the effect OFF.**

*** When DELAY or DLY/REV is selected, the TAP/TUNER ❸ button can be used to set the delay time freely.**

⓭ GUITAR OUTPUT (THR10/10C/10X Only)

Adjusts the overall volume of the guitar sound.

*** This knob's setting has no effect on the signal delivered by the USB ⓴ output.**

⓮ VOLUME (THR5/5A only)

Adjusts the overall volume of the guitar sound.

*** This knob's setting has no effect on the signal delivered by the USB ⓴ output.**

⓯ USB/AUX OUTPUT (THR10/10C/10X only)

Adjusts the audio playback volume for audio from the computer connected to the USB ⓴ jack or an audio device connected to the AUX ⓲ jack.

⓰ INPUT

This jack is used to connect a guitar to the unit.

⓱ PHONES

This a standard phone jack used to connect a pair of stereo headphones to the unit. It can also be used as a line out jack.

*** Main speaker sound is muted when a connector is inserted into the PHONES jack.**

⓲ AUX

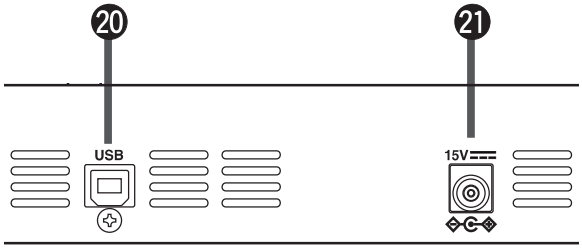
This is a stereo mini phone jack used for audio input from an external device such as an MP3 player, etc.

*** The signal received by the AUX input is not sent to the USB ⓴ output.**

⓳ USER MEMORY (THR10/10C/10X Only)

Saves up to five sets of amp section controller settings (GAIN, MASTER, BASS, MIDDLE, TREBLE, EFFECT, DLY/REV). Press and hold the number of the switch you want to save your settings to (about 2 seconds). The save operation is complete when the memory number for the switch being pushed appears in the LED display. Press one of the numbered switches (less than 2 seconds) to recall the saved settings.

■ Rear Panel



⑳ USB

Use the supplied USB cable to connect a computer to the unit.

㉑ DC IN

Connects the supplied power adaptor.

About the Default Settings (THR10/10C/10X only)

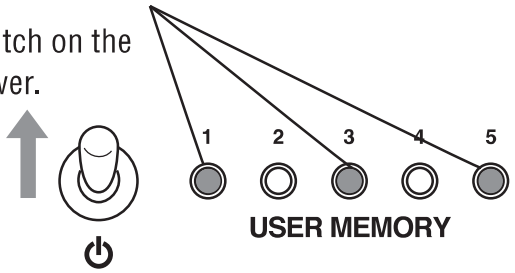
To reset user memory 1-5 contents to their factory defaults, switch on the power while holding down USER MEMORY switches 1, 3, and 5.

CAUTION

All contents stored in the user memory will return to factory defaults when the unit is initialized.

Hold down switches 1, 3, and 5.

Switch on the power.

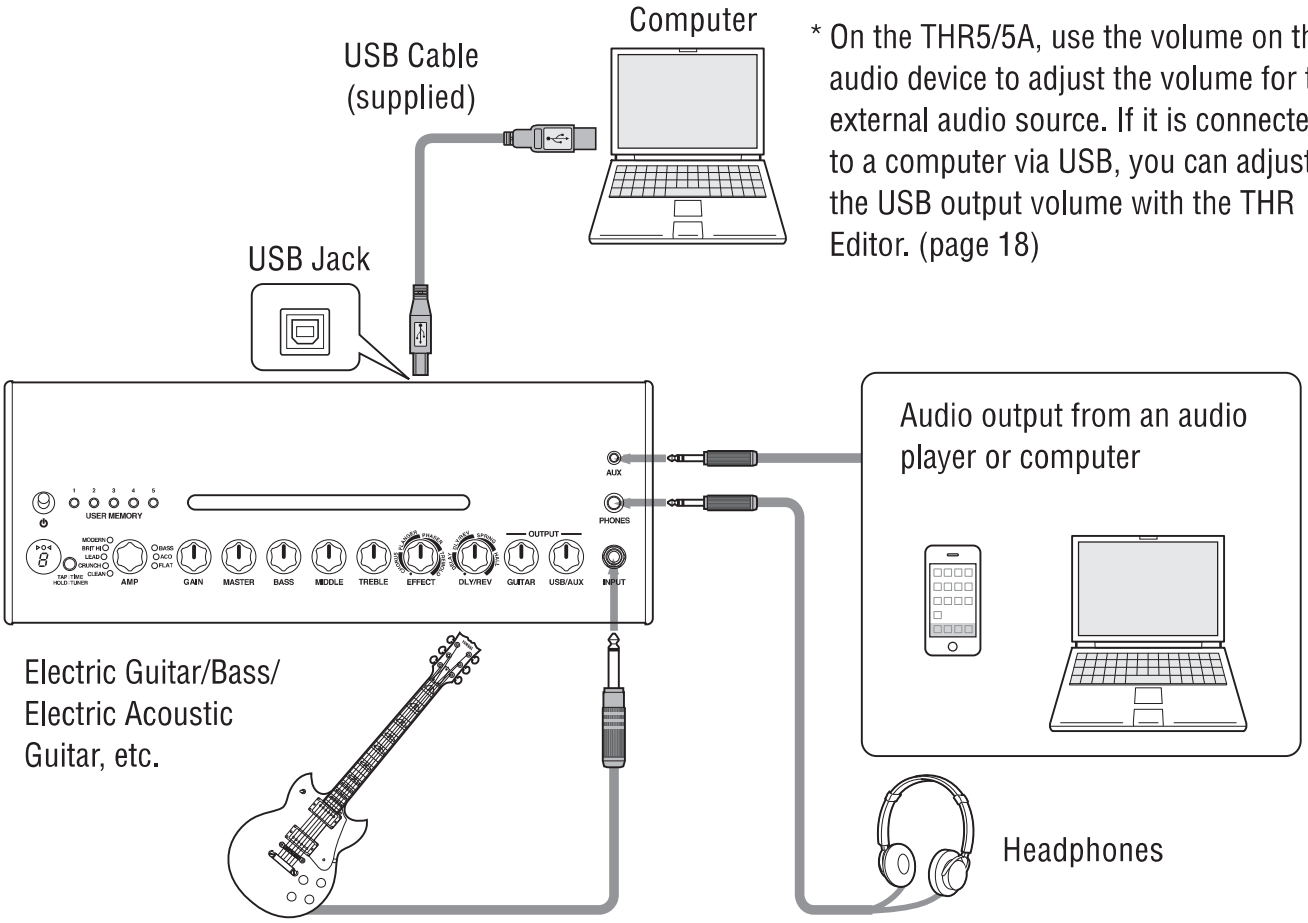


Connection

■ Connection Examples

*** Before making any connections, make sure that the power on all devices is switched OFF.**

*** When connecting the unit to an external device, check the shape of the jack and use an appropriate cable that matches with the jack's specifications and connect surely.**



* On the THR5/5A, use the volume on the audio device to adjust the volume for the external audio source. If it is connected to a computer via USB, you can adjust the USB output volume with the THR Editor. (page 18)

Precautions in regard to using the USB jack

Make sure you follow the points below when connecting a computer to the THR USB jack. Failing to do so may result in the computer or the THR freezing or shutting down, as well as corruption or even loss of data. If the device or computer does freeze, restart the application or computer.

⚠ CAUTION

- **Be sure to wake the computer from suspended/sleep/standby mode before connecting a computer to the USB jack.**
- **Always quit all applications that are running on the computer before connecting or disconnecting the USB cable and set the volume output on the computer to its minimum level.**
- **When connecting or disconnecting the USB cable, be sure to set the VOLUME and the USB/AUX OUTPUT on the THR to their minimum levels.**
- **Wait at least 6 seconds between connecting or disconnecting the USB cable.**

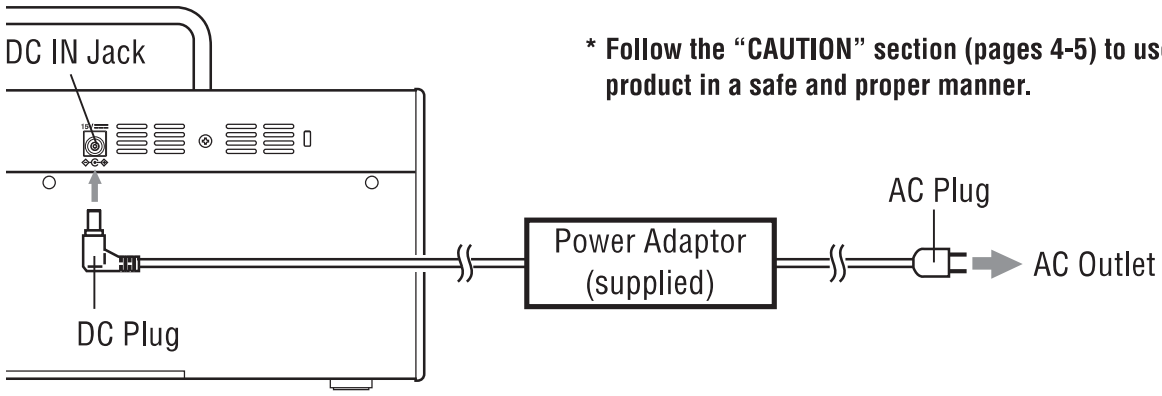
■ Power

The THR can operate on either battery power or with the power adaptor.

*** Power is automatically supplied from the power adaptor when the adaptor is connected to the unit with batteries installed. To prevent batteries from leaking, we recommend that the batteries be removed from the unit when using the power adaptor.**

● When using the power adaptor

Connect the supplied power adaptor to the DC IN jack located on the rear side of the THR.
Connect the AC plug to a power outlet.



*** Follow the "CAUTION" section (pages 4-5) to use the product in a safe and proper manner.**

● When using batteries

Use AA alkaline batteries or nickel hydride batteries*.
Make sure that the batteries are installed with their +/- poles aligned properly as shown below.

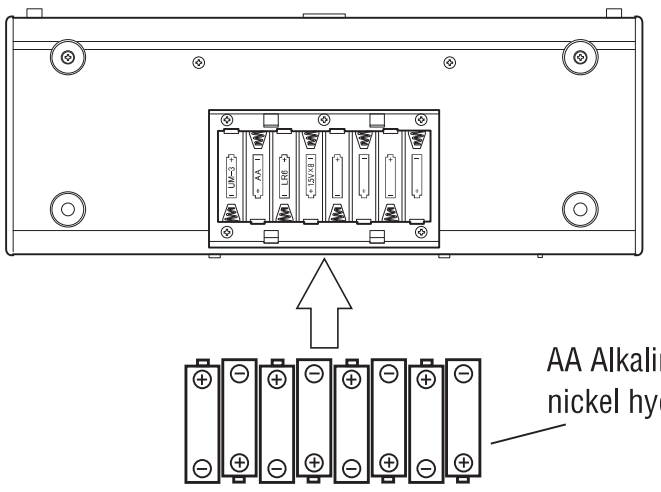
*** When using nickel hydride batteries, we recommend eneloop® batteries. When using eneloop batteries, please read the eneloop battery instruction manual carefully. (eneloop® is a registered trademark of Panasonic Corporation.)**

*** Do not use manganese batteries.**

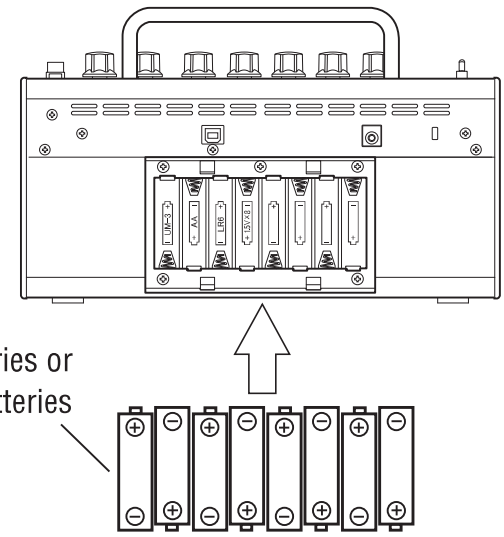
*** Follow the "CAUTION" section (pages 4-5) to use the product in a safe and proper manner.**

The amp turns off automatically when battery power is depleted. After replacing the batteries or connecting the power adaptor, turn the power switch OFF and wait for ten seconds before turning the power switch back ON again.

THR10/10C/10X (Bottom)



THR5/5A (Rear)



AA Alkaline batteries or
nickel hydride batteries
x 8

Connecting a Computer to the Unit

Connecting a computer to the THR makes the following possible:

1) **Playback audio files on the computer through the THR.**
2) **Edit THR amp settings using the editing application on a computer.**
3) **Record audio using the Cubase AI application.**

The following software must be installed in the computer in order to carry out the functions listed above.

■ Installing the Software

● Driver Installation

Using the THR with a computer requires the installation of a driver.

[Installing the Driver]

1. Access the following website and download the latest version of the Yamaha Steinberg USB Driver, the file will decompress and open.

   http://download.yamaha.com

   * **Check the above website for information on system requirements.**
   * **Before using, please understand that even if your computer meets all operating requirements, the software may not function correctly.**
   * **The Yamaha Steinberg USB Driver may be updated without notice. Please visit the above website for the latest details and updates.**

2. Install the Yamaha Steinberg USB Driver in your computer. Refer to the Installation Guide that is included in the downloaded file.
3. After installing the driver, quit all applications and then select the model name (THR10/THR10C/THR10X/THR5/THR5A) of the connected THR amp as the computer's audio output. Each OS has its own setting display that can be accessed as follows.

   Windows
   Control Panel → Sound → "Sound" tab
   Mac
   System Preferences → Sound →"Output" tab

● THR Editor Installation

Using the THR Editor, you can edit effect and tone settings for the THR in greater detail. Edited settings can be saved in the THR.

[Installing the THR Editor]

1. Access the following web site and download the THR Editor.
   http://download.yamaha.com
2. Start the downloaded file and follow the instructions that appear in the display to install the THR Editor.
3. Refer to the THR Editor's Owner's Manual or the Help Guide for information on settings and operation of the THR Editor.

● Cubase AI Installation

Included with the THR is a download access code for Cubase AI music production software. Using Cubase AI you can record a guitar connected to the THR and edit songs.

[Cubase AI System Requirements]

Please refer to the Steinberg website at
http://steinberg.net
for the most up-to-date information.

[Installing Cubase AI]

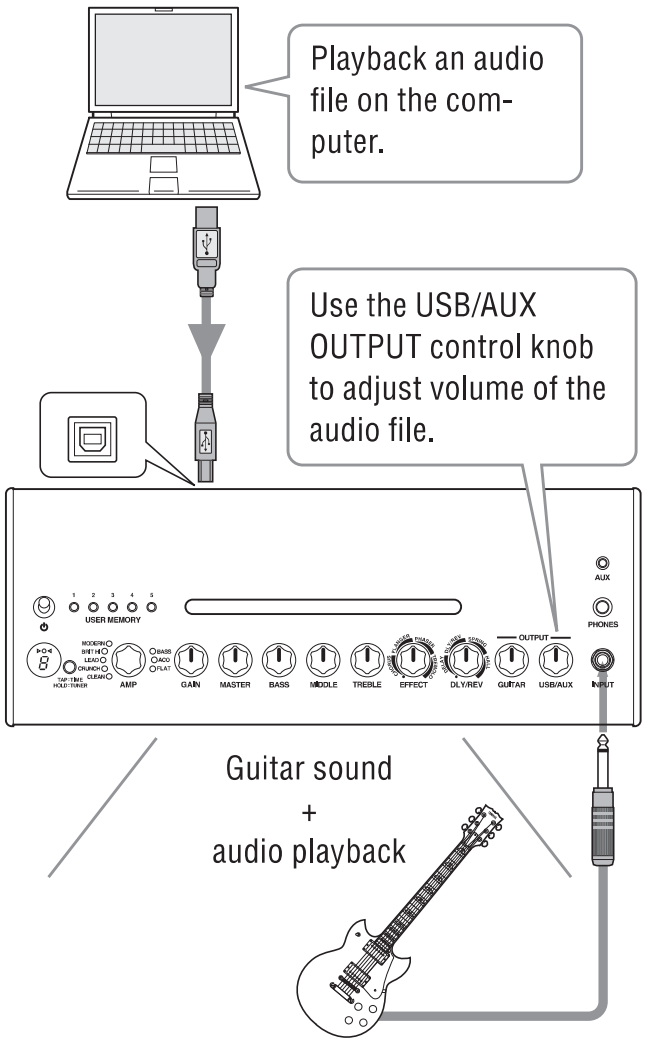
Installing Cubase AI requires an active Internet connection. Follow the instructions provided in the “Get CUBASE AI now” sheet to download and install the software.

■ Connections and Operation

1) Playback audio files on the computer through the THR

Install the Yamaha Steinberg USB Driver, and select the model name (THR10/THR10C/THR10X/THR5/THR5A) of the connected THR amp as the computer’s audio output (page 16).
Use the supplied USB cable to connect the computer’s USB jack to the USB jack on the THR as shown in the diagram below.
This lets you play audio files on the computer through the speakers on the THR. Connect your guitar to the unit and play along. On the THR10/10C/10X the audio volume is controlled using the USB/AUX OUTPUT control knob.

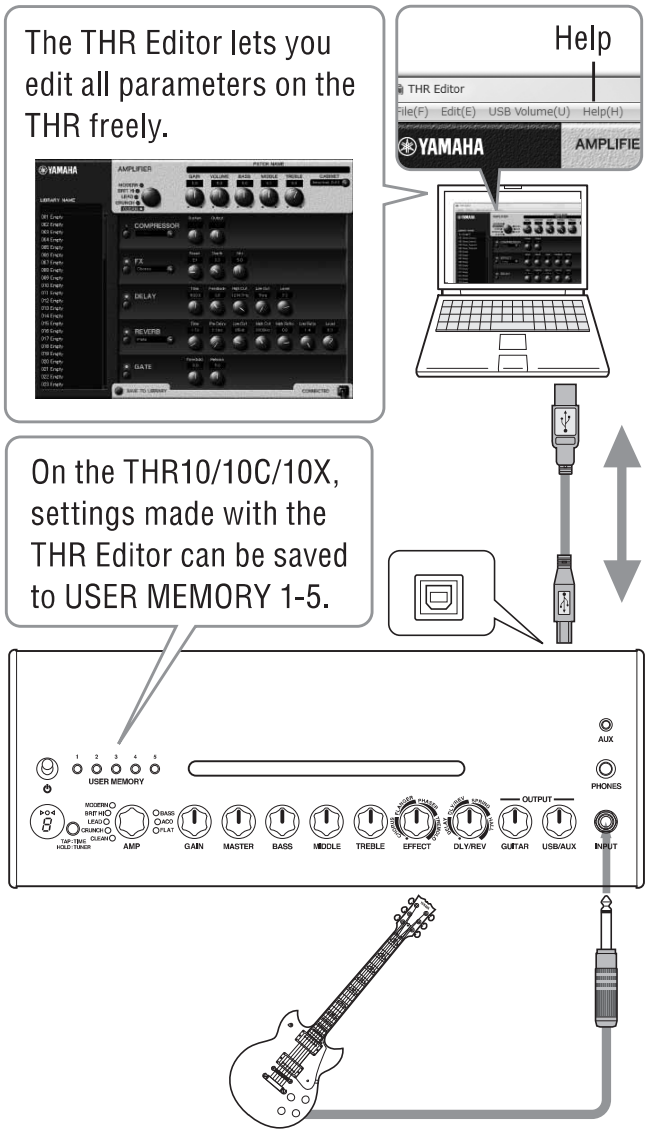
*** On the THR5/5A, use the volume control on the computer to adjust the audio volume.**



2) Edit THR amp settings using the editing application on a computer.

Download and install the THR Editor (page 16).
Use the supplied USB cable to connect the computer's USB jack to the USB jack on the THR as shown in the diagram below.
The THR Editor lets you change settings (parameters) in the THR using the display shown below. After editing the settings with your computer, you can save them in your computer, and create a library of sound settings. Holding down the USER MEMORY button for a few seconds on the THR10/10C/10X saves the settings being edited to the unit's internal memory.

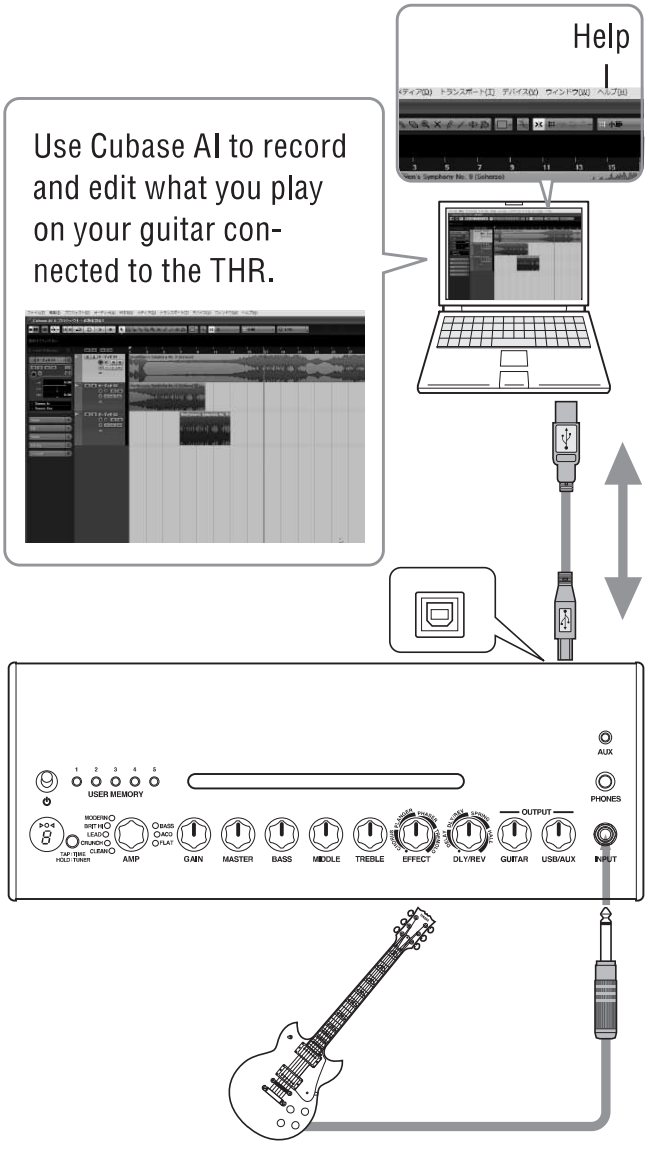
*** For more information on settings and operating, refer to the THR Editor Owner's Manual, or the Editor's Help Menu (refer to the illustration below).**



3) Record audio using the Cubase AI application.

Install the Cubase AI application (page 16).
Use the supplied USB cable to connect the computer's USB jack to the USB jack on the THR as shown in the diagram below.
Cubase AI lets you record what you play on a guitar connected to the THR to a computer. After recording, you can go back and edit the recorded data.

*** For more information on settings and operating, refer to the THR Editor Owner's Manual, or the Editor's Help Menu (refer to the illustration below).**



Troubleshooting

No power

- Is the power adaptor properly connected? (→ page 15)
- Are the batteries properly installed? (→ page 15)

No sound

1) No instrument sound

- Is the guitar properly connected to the INPUT jack? (→ page 14)
- Is the volume control on the instrument turned up?
- If the GAIN, MASTER, GUITAR OUTPUT (THR10/10C/10X), VOLUME (THR5/5A) controls set to 0, the instrument will produce no sound. (→ pages 11, 12)
- If the AMP control is set to CLEAN and all of the tone controls are set to 0, the instrument will produce no sound. (→ page 9)
- Are the headphones disconnected from the PHONES jack? (→ page 12)
- If the Compressor Output set to 0 with the THR Editor the instrument will produce no sound. (→ page 18)
- Is the Tuner function switched OFF? (→ page 9)
- Is the cable connecting the instrument to the unit damaged?

2) No audio sound from the computer

- Is the USB cable properly connected to both devices? (→ page 14)
- Is the Yamaha Steinberg USB Driver properly installed in the computer? (→ page 16)
- Is the proper audio output port selected in the “Connecting a Computer to the Unit” section? (→ page 16)
- Is output from the computer or the application muted?
- With the THR10/10C/10X, is the USB/AUX OUTPUT control turned up? (→ page 12)
- Is the USB cable connecting the devices damaged?

3) No audio sound from the AUX Input

- Is the cable connecting the device to the AUX Input properly connected? (→ page 14)
- Is the volume control on the connected device turned up?
- With the THR10/10C/10X, is the USB/AUX OUTPUT control turned up? (→ page 12)
- Is the cable connecting the device to the AUX Input damaged?

(THR5/5A only) Audio volume from the computer connected to the unit via USB is too low or too high.

- Launch the THR Editor on the computer and adjust the volume output using the “USB Volume” setting. (→ page 18)

Cannot set the Tap Tempo

- Is DLY or DLY/REV selected? The tap tempo cannot be set with any other effects. (→ page 9)

The Power Lamp does not light

- In the THR Editor (→ page 18) open the Preferences and set the Power Lamp to ON.

A “#” appears in the LED display

- A “#” appears in the display when the Extended Stereo setting is set to OFF. (→ page 9)

Noise is heard during audio playback

- Lower the volume on the guitar amp.

Can not edit parameters with the THR Editor

- Is the unit’s Tuner Function switched ON? Switch the Tuner Function OFF. (→ page 9)

Specifications

Digital Section

- **Built-in Amp Simulations**

THR10: CLEAN, CRUNCH, LEAD, BRIT HI, MODERN, BASS, ACO*, FLAT

THR10C: DELUXE, CLASS A, US BLUES, BRIT BLUES, MINI, BASS, ACO*, FLAT

THR10X: POWER I, POWER II, BROWN I, BROWN II, SOUTHERN HI, CLEAN, BASS, FLAT

THR5: CLEAN, CRUNCH, LEAD, BRIT HI, MODERN

THR5A: CONDENSER*, DYNAMIC*, TUBE*, NYLON*, EG CLN

* Mic simulation

- **Built-in Effects**

THR10/10C/10X/5:

- CHORUS, FLANGER, PHASER, TREMOLO
- DELAY (**THR10C:** TAPE ECHO), DELAY/REVERB (**THR10C:** ECHO/REVERB), SPRING REVERB, HALL REVERB
- COMPRESSOR*, NOISE GATE*

* Only available in the THR Editor.

THR5A:

- COMPRESSOR, COMPRESSOR/CHORUS, CHORUS, FLANGER*, PHASER*, TREMOLO*
- DELAY, DELAY/REVERB, HALL REVERB, SPRING REVERB*
- NOISE GATE*

* Only available in the THR Editor.

- **Built-in Chromatic Auto Tuner**

Controller/Switch

THR10/10C/10X:
AMP, GAIN, MASTER, BASS, MIDDLE, TREBLE, EFFECT, DLY/REV, GUITAR OUTPUT, USB/AUX OUTPUT, USER MEMORY Switch x5, TAP/TUNER Switch

THR5: AMP, GAIN, MASTER, TONE, EFFECT, DLY/REV, VOLUME, TAP/TUNER Switch

THR5A: MIC TYPE, BLEND/GAIN, MASTER, TONE, EFFECT, DLY/REV, VOLUME, TAP/TUNER Switch

Display

LED x1

Connections

INPUT (Standard Monaural Phone Jack), PHONES (Standard Stereo Phone Jack), AUX (Stereo Mini Jack), USB 2.0, DC IN

A/D Converter

24-bit + 3 Bit Floating

D/A Converter

24-bit

Sampling Frequency

44.1 kHz

Memory Allocations (THR10/10C/10X only)

User Memory: 5

Input Level

GUITAR IN: -10 dBu
AUX IN: -10 dBu

PHONES Output Level

10 mW

Rated Output

10 W (5 W + 5 W)

Power Source

Power Adaptor or Batteries

- **Power Adaptor (EADP-38EB A, UIB345-1530, or UNT345-1530)**
  - Input:
    U.S.A. and Canada models: AC120 V, 60 Hz
    Other models: AC100 V to 240 V, 50/60 Hz
  - Output: DC 15 V
- **Batteries (AA alkaline batteries or nickel-hydride batteries (eneloop) x 8)**
  - Battery Life
    Alkaline batteries: approx. 6 hours
    Nickel-hydride batteries: approx. 7 hours

* Depending upon usage and conditions

Power Consumption

18 W

Dimensions (W x H x D)

THR10/10C/10X: 360 x 183.5 x 140 mm (14.2" x 7.2" x 5.5")

THR5/5A: 271 x 167 x 120 mm (10.7" x 6.6" x 4.7")

Weight

THR10/10C/10X: 2.8 kg (6 lbs. 3 oz.)

THR5/5A: 2.0 kg (4 lbs. 7 oz.)

Accessories

- Power Adaptor
- USB Cable
- Stereo-Mini Cable
- Owner's Manual (This booklet)
- Cubase AI Download Access Code

**** Specifications and appearance may change without notice.***

For electrical and electronic products using batteries.

Information for Users on Collection and Disposal of Old Equipment and used Batteries



These symbols on the products, packaging, and/or accompanying documents mean that used electrical and electronic products and batteries should not be mixed with general household waste.
For proper treatment, recovery and recycling of old products and used batteries, please take them to applicable collection points, in accordance with your national legislation and the Directives 2002/96/EC and 2006/66/EC.

By disposing of these products and batteries correctly, you will help to save valuable resources and prevent any potential negative effects on human health and the environment which could otherwise arise from inappropriate waste handling.



For more information about collection and recycling of old products and batteries, please contact your local municipality, your waste disposal service or the point of sale where you purchased the items.

[For business users in the European Union]
If you wish to discard electrical and electronic equipment, please contact your dealer or supplier for further information.



[Information on Disposal in other Countries outside the European Union]
These symbols are only valid in the European Union. If you wish to discard these items, please contact your local authorities or dealer and ask for the correct method of disposal.



Note for the battery symbol (bottom two symbol examples):
This symbol might be used in combination with a chemical symbol. In this case it complies with the requirement set by the Directive for the chemical involved.

Information concernant la Collecte et le Traitement des piles usagées et des déchets d'équipements électriques et électroniques



Les symboles sur les produits, l'emballage et/ou les documents joints signifient que les produits électriques ou électroniques usagés ainsi que les piles ne doivent pas être mélangés avec les déchets domestiques habituels.
Pour un traitement, une récupération et un recyclage appropriés des déchets d'équipements électriques et électroniques et des piles usagées, veuillez les déposer aux points de collecte prévus à cet effet, conformément à la réglementation nationale et aux Directives 2002/96/EC et 2006/66/EC.

En vous débarrassant correctement des déchets d'équipements électriques et électroniques et des piles usagées, vous contribuerez à la sauvegarde de précieuses ressources et à la prévention de potentiels effets négatifs sur la santé humaine qui pourraient advenir lors d'un traitement inapproprié des déchets.

Pour plus d'informations à propos de la collecte et du recyclage des déchets d'équipements électriques et électroniques et des piles usagées, veuillez contacter votre municipalité, votre service de traitement des déchets ou le point de vente où vous avez acheté les produits.



[Pour les professionnels dans l'Union Européenne]
Si vous souhaitez vous débarrasser des déchets d'équipements électriques et électroniques veuillez contacter votre vendeur ou fournisseur pour plus d'informations.



[Information sur le traitement dans d'autres pays en dehors de l'Union Européenne]
Ces symboles sont seulement valables dans l'Union Européenne. Si vous souhaitez vous débarrasser de déchets d'équipements électriques et électroniques ou de piles usagées, veuillez contacter les autorités locales ou votre fournisseur et demander la méthode de traitement appropriée.



Note pour le symbole «pile» (deux exemples de symbole ci-dessous):
Ce symbole peut être utilisé en combinaison avec un symbole chimique. Dans ce cas il respecte les exigences établies par la Directive pour le produit chimique en question.

Verbraucherinformation zur Sammlung und Entsorgung alter Elektrogeräte und benutzter Batterien



Befinden sich diese Symbole auf den Produkten, der Verpackung und/oder beiliegenden Unterlagen, so sollten benutzte elektrische Geräte und Batterien nicht mit dem normalen Haushaltsabfall entsorgt werden.
In Übereinstimmung mit Ihren nationalen Bestimmungen und den Richtlinien 2002/96/EC und 2006/66/EC, bringen Sie alte Geräte und benutzte Batterien bitte zur fachgerechten Entsorgung, Wiederaufbereitung und Wiederverwendung zu den entsprechenden Sammelstellen.

Durch die fachgerechte Entsorgung der Elektrogeräte und Batterien helfen Sie, wertvolle Ressourcen zu schützen, und verhindern mögliche negative Auswirkungen auf die menschliche Gesundheit und die Umwelt, die andernfalls durch unsachgerechte Müllentsorgung auftreten könnten.



Für weitere Informationen zum Sammeln und Wiederaufbereiten alter Elektrogeräte und Batterien, kontaktieren Sie bitte Ihre örtliche Stadt- oder Gemeindeverwaltung, Ihren Abfallentsorgungsdienst oder die Verkaufsstelle der Artikel.

[Information für geschäftliche Anwender in der Europäischen Union]
Wenn Sie Elektrogeräte ausrangieren möchten, kontaktieren Sie bitte Ihren Händler oder Zulieferer für weitere Informationen.



[Entsorgungsinformation für Länder außerhalb der Europäischen Union]
Diese Symbole gelten nur innerhalb der Europäischen Union. Wenn Sie solche Artikel ausrangieren möchten, kontaktieren Sie bitte Ihre örtlichen Behörden oder Ihren Händler und fragen Sie nach der sachgerechten Entsorgungsmethode.



Anmerkung zum Batteriesymbol (untere zwei Symbolbeispiele):
Dieses Symbol kann auch in Kombination mit einem chemischen Symbol verwendet werden. In diesem Fall entspricht dies den Anforderungen der Direktive zur Verwendung chemischer Stoffe.

Informazioni per gli utenti sulla raccolta e lo smaltimento di vecchia attrezzatura e batterie usate



Questi simboli sui prodotti, sull'imballaggio, e/o sui documenti che li accompagnano significano che i prodotti e le batterie elettriche e elettroniche non dovrebbero essere mischiati con i rifiuti domestici generici.
Per il trattamento, recupero e riciclaggio appropriati di vecchi prodotti e batterie usate, li porti, prego, ai punti di raccolta appropriati, in accordo con la Sua legislazione nazionale e le direttive 2002/96/CE e 2006/66/CE.

Smaltendo correttamente questi prodotti e batterie, Lei aiuterà a salvare risorse preziose e a prevenire alcuni potenziali effetti negativi sulla salute umana e l'ambiente, che altrimenti potrebbero sorgere dal trattamento improprio dei rifiuti.



Per ulteriori informazioni sulla raccolta e il riciclaggio di vecchi prodotti e batterie, prego contatti la Sua amministrazione comunale locale, il Suo servizio di smaltimento dei rifiuti o il punto vendita dove Lei ha acquistato gli articoli.

[Per utenti imprenditori dell'Unione europea]
Se Lei desidera disfarsi di attrezzatura elettrica ed elettronica, prego contatti il Suo rivenditore o fornitore per ulteriori informazioni.



[Informazioni sullo smaltimento negli altri Paesi al di fuori dell'Unione europea]
Questi simboli sono validi solamente nell'Unione europea. Se Lei desidera disfarsi di questi articoli, prego contatti le Sue autorità locali o il rivenditore e richieda la corretta modalità di smaltimento.



Noti per il simbolo della batteria (sul fondo due esempi di simbolo):
È probabile che questo simbolo sia usato in combinazione con un simbolo chimico. In questo caso è conforme al requisito stabilito dalla direttiva per gli elementi chimici contenuti.

Información para Usuarios sobre Recolección y Disposición de Equipamiento Viejo y Baterías usadas



Estos símbolos en los productos, embalaje, y/o documentación que se acompañe significan que los productos electrónicos y eléctricos usados y las baterías usadas no deben ser mezclados con desechos hogareños corrientes.
Para el tratamiento, recuperación y reciclado apropiado de los productos viejos y las baterías usadas, por favor llévelos a puntos de recolección aplicables, de acuerdo a su legislación nacional y las directivas 2002/96/EC y 2006/66/EC.

Al disponer de estos productos y baterías correctamente, ayudará a ahorrar recursos valiosos y a prevenir cualquier potencial efecto negativo sobre la salud humana y el medio ambiente, el cual podría surgir de un inapropiado manejo de los desechos.



Para mayor información sobre recolección y reciclado de productos viejos y baterías, por favor contacte a su municipio local, su servicio de gestión de residuos o el punto de venta en el cual usted adquirió los artículos.

[Para usuarios de negocios en la Unión Europea]
Si usted desea deshacerse de equipamiento eléctrico y electrónico, por favor contacte a su vendedor o proveedor para mayor información.



[Información sobre la Disposición en otros países fuera de la Unión Europea]
Estos símbolos sólo son válidos en la Unión Europea. Si desea deshacerse de estos artículos, por favor contacte a sus autoridades locales y pregunte por el método correcto de disposición.



Nota sobre el símbolo de la batería (ejemplos de dos símbolos de la parte inferior)
Este símbolo podría ser utilizado en combinación con un símbolo químico. En este caso el mismo obedece a un requerimiento dispuesto por la Directiva para el elemento químico involucrado.

Informatie voor gebruikers van inzameling en verwijdering van oude apparaten en gebruikte batterijen



Deze tekens op de producten, verpakkingen en/of bijgaande documenten betekent dat gebruikte elektrische en elektronische producten en batterijen niet mogen worden gemengd met algemeen huishoudelijk afval.
Breng alstublieft voor de juiste behandeling, herwinning en hergebruik van oude producten en gebruikte batterijen deze naar daarvoor bestemde verzamelpunten, in overeenstemming met uw nationale wetgeving en de instructies 2002/96/EC en 2006/66/EC.

Door deze producten en batterijen juist te rangschikken, helpt u het redden van waardevolle rijkdommen en voorkomt u mogelijke negatieve effecten op de menselijke gezondheid en de omgeving, welke zich zou kunnen voordoen door ongepaste afvalverwerking.



Voor meer informatie over het inzamelen en hergebruik van oude producten en batterijen kunt u contact opnemen met uw plaatselijke gemeente, uw afvalverwerkingsbedrijf of het verkooppunt waar u de artikelen heeft gekocht.

[Voor zakelijke gebruikers in de Europese Unie]
Mocht u elektrische en elektronisch apparatuur willen weggooien, neem dan alstublieft contact op met uw dealer of leverancier voor meer informatie.



[Informatie over verwijdering in ander landen buiten de Europese Unie]
Deze symbolen zijn alleen geldig in de Europese Unie. Mocht u artikelen weg willen gooien, neem dan alstublieft contact op met uw plaatselijke overheidsinstantie of dealer en vraag naar de juiste manier van verwijderen.



Opmerking bij het batterij teken (onderkant twee tekens voorbeelden):
Dit teken wordt mogelijk gebruikt in combinatie met een chemisch teken. In dat geval voldoet het aan de eis en de richtlijn, welke is opgesteld voor het betreffende chemisch product.



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