YAMAHA
SHARING PASSION & PERFORMANCE

⊛YAMAHA

THR Series

THR100H Dual/THR100H/THRC212/THRC112/THR10/THR10C/THR10X/THR5/THR5A

#DONTEMULATECREATE

Finally.
The amp you've been waiting for.

Finding the perfect tone is a journey– searching for boutique pedals, making custom cables, swapping out speakers, experimenting with different tubes– each step a discovery that leads down a new creative path. With THR amp heads, Yamaha has designed innovative, flexible amplifiers that will play an integral role in your sonic journey to find that perfect sound.

THR100H Dual/THR100H Features
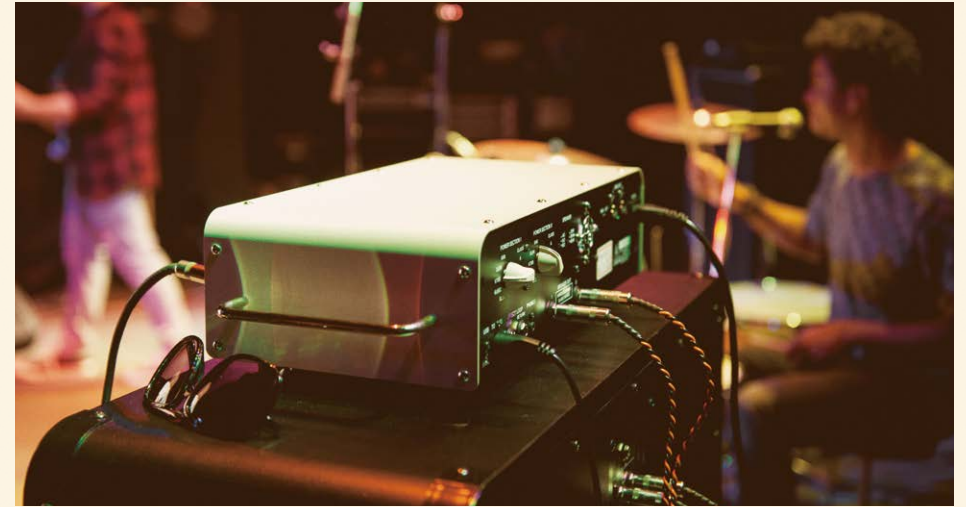
That sound

A great amp always has a certain something. More than just great tone, it has dynamics that breathe life into every note and give punch to every chord. With THR amp heads, Yamaha's engineers have captured the component-level interaction between the speakers and the power amp (the murky world known as the damping factor) and tuned it to perfection, achieving a new level of performance excellence, even at low volumes. Don't worry about hearing the difference— you'll feel it as soon as you plug in and play.

Five amps at the flick of a switch

Whether you use pedals for your overdrive or just crank up your volume control, one great amp sound is where it all starts. Sometimes though, you want to take your sound in a new direction with something just a little different. THR amp heads feature a single-channel design with five distinct custom amp types from solid state through to modified high-gain, all tuned to sound amazing whether you want to get your drive from a pedal or your amp.

The tubes they are a-changin'

The choice of power tubes in any amp can make a vital difference. From the warm, soft, rich harmonics of a 6V6 to the pronounced midrange and tight low-end of an EL34, changing your tubes changes your amp. However, this can be difficult; selecting the right tubes, swapping them out and re-biasing your amp takes a lot of time and money, and it's easy to get wrong if you're not entirely sure of what you're doing. THR amp heads feature new VCM simulation that allows you to pick from five classic tube types for any amp model with nothing more than the flick of a switch on the rear panel. You can even choose from the smooth compression, soft touch and old-school distortion of class A, or the tight bass response, greater headroom and increased dynamics of class A/B for each tube type.

THR100H Dual/
THR100H
Features

Double trouble

Two heads aren't always better than one. But two amps are. THR100H Dual is a true dual-amp version of THR100H with two identical channels of natural drive and incredible dynamics. Totally independent controls, fully discrete signal paths with dual selectable inputs, and A/B/A+B switching give you access to the big dual-amp sounds that guitar tone icons have known about for years. Now it's your turn.

Lightweight design ...heavyweight tone

Belying their awesome tone, stage-ready volume and the playing experience of an amp full of glass tubes and transformers, THR amp heads tip the scales at under five kilograms. We guarantee you've never come across an amp as lightweight and compact that sounds like such a heavyweight.

Kick it into high gear

THR amp heads come equipped with an assignable booster that can be engaged direct from the amp or via a dedicated footswitch. With three incredible sounding VCM boosters from a clean solo boost to a smooth overdrive, all selectable via the utility software, the THR's boost function is ready to push your tone to the next level.

Great tone, on an impulse

Any amp only sounds as good as the last link in the signal chain– and in a great sounding rig, that's usually a cabinet and microphone. THR amp heads use impulse response speaker simulation to drive a DI tone that's indistinguishable from a perfectly mic'd cabinet. With simulations of a range of industry-standard cabinets and mics available via a USB connection with your PC, THR amp heads give you a host of options straight out of the box. But it doesn't stop there– you can use any IR file available online, taking advantage of a huge community of tone-hounds creating custom impulses for download, or even use third party software to create your own. The difference in tone can range from subtle to significant, and the possibilities are endless.

High resolution connectivity

THR amp heads are equipped with XLR line outputs for connection to professional recording or live sound equipment. The speaker outputs don't even need a dummy load, so you can disconnect your speakers for silent recording or on-stage performance without having to worry about damage to your amp.

Classic control

The controls on THR amp heads go back to basics for quick, easy manipulation of your sound. An instantly familiar control layout along with intuitive response and interaction thanks to VCM's component modeling, means that dialing in your sound is exactly like you expect it to be. No menus, no options, no hidden functions. Just plug in and play.

Just stomp on it

An included dedicated footswitch is available for each model, giving you the control you need at home, in the studio or on-stage. With access to boost, reverb and FX-loop functions, plus A/B/A+B switching for THR100H Dual, everything's right where you need it. Industry-standard 5-pin DIN MIDI connectors even allow you to replace and extend the cable easily and cost-effectively.

The finishing touch

THR amp heads come equipped with USB functionality that lets you connect to your computer for quick and easy configuration of the on-board reverb and booster effects, switching between serial and parallel effects setups, and uploading of IR data files.

Tone Revolution

THR100H Dual

Organic tone. Massive creative potential.

Get ready to experience a whole new level of tone creation. THR100H Dual packs true dual-amp functionality into a single 5kg package. Both amps feature five custom-voiced amp types with natural, organic overdrive, Yamaha's new ultra-dynamic power amp with selectable output tube simulations and selectable class A or A/B topology, independently assignable boosters, reverbs and IR speaker simulators, as well as selectable single or true dual-discrete inputs for genuine dual-path connectivity.

If you're searching for ultimate tone control, then look no further.
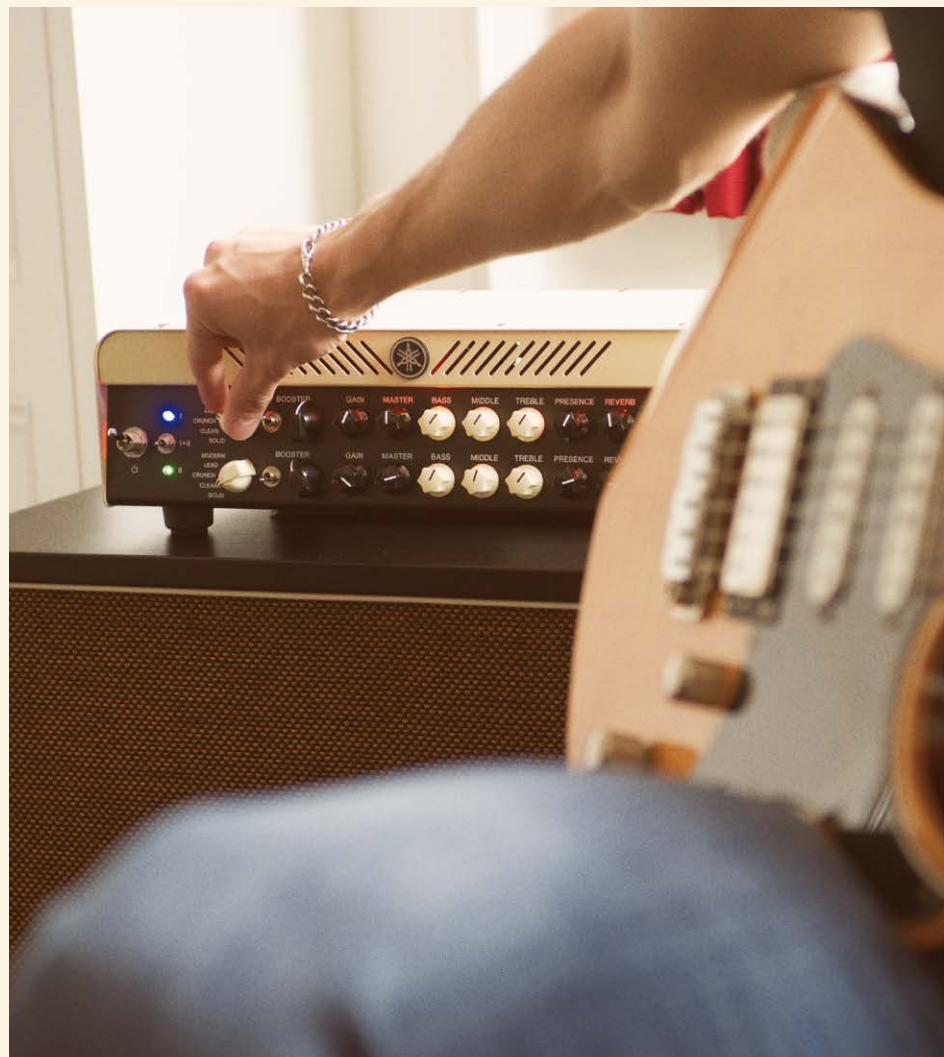
Front panel

Amp type selector

MODERN: An "American-modded" version of the Lead amp-type, slightly more saturation and smooth, fluid overdrive

LEAD: Medium-gain British tone with rich, controllable overdrive and great definition

CRUNCH: Low-powered, bright British tone with soft touch and chiming high-end

CLEAN: Warm, rounded American tone with late breakup and incredible dynamics

SOLID: Clean, solid-state amp for zero breakup at any level

Rear panel

Power section

6V6: Warm, soft, round sound with rich harmonics and easy distortion.

EL84: Smooth feel with soft, tactile, harmonically rich response and a pleasingly musical top end. Widely used in modern class A amps.

KT88: Big, clean, tight sound with outstanding headroom—great for rock, where more pronounced note definition is desirable.

6L6GC: Strong, pronounced midrange character and bright, clean, powerful punch. Commonly associated with American guitar sounds.

EL34: Pronounced midrange, tight low end and crisp treble. The most recognisable British guitar sound.

* THR amp heads do not incorporate physical tubes in their design. Instead, they utilize Yamaha's new VCM Technology to faithfully reproduce the characteristics of each of these tube types.

Tone Revolution

THR100H

Single ch | 5 Amp Modelings | Light Weight & Compact | Ultra Dynamic Power Amp | 5 Valve Modelings | Booster | High Resolution Line Out | IR SP Simulation | Footswitch

The little amp that DOES.

Featuring the incredible tone and flexibility of its bigger brother in a compact, lightweight single-channel body, THR100H has got your back whether you're on-stage, rehearsing with the band or practicing at home. With a big sound from a tiny package, the power to dial in the details of your sound and the connectivity to plug you in wherever you're playing, THR100H bridges all the gaps.
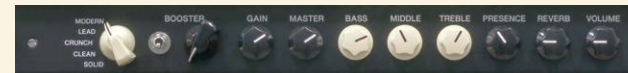

Front panel

Rear panel

Setting suggestions

Tube: 6L6GC Class AB, Reverb: PLATE, Recommended pickup: Humbucker
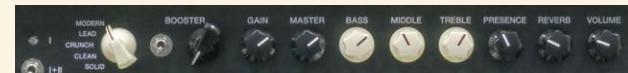

Tube: EL84 Class AB, Reverb: ROOM, Recommended pickup: Humbucker

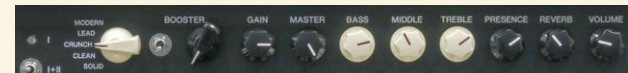Tube: 6V6 Class AB, Reverb: PLATE, Recommended pickup: Neck Single coil

Tube: KT88 Class AB, Reverb: ROOM, Recommended pickup: Neck/Middle Single coil

Amp type I: MODERN, II: CRUNCH, Tube I: 6L6GC Class AB, Tube II: KT88 ClassAB, Reverb: Room, Recommended pickup: Humbucker

Amp type I: CRUNCH Amptype II: CLEAN, Tube I: 6L6GC Class AB, Tube II: 6V6 ClassA Reverb: Amp I PLATE, Amp II HALL, Recommended pickup: Bridge/Middle Single coil

● **MODERN**
Modded drive: saturated preamp tubes with singing highs, thick mids and cranked sustain

● **LEAD**
Crunch heaven: punchy midrange, explosive attack and perfect definition for chords

● **CRUNCH**
Caramel clean: ultra-organic low-gain, buttery lows and incredible dynamics

● **CLEAN**
Satin clean: perfectly smooth lows and mids, with expressive attack and natural compression

● **DUAL Mode A**
Articulation drive: mid-heavy crunch tone adds shimmer, sparkle and depth to smooth distortion

● **DUAL Mode B**
Textured clean: perfectly balanced warmth and sparkle, with unbelievable pick response and shimmering upper mids

To hear THR amp heads,visit our website at http://www.yamaha.com/thr/

SMALL IS THE NEXT BIG THING.

CAN YOU FEEL IT?

THR100H Dual, THR100H Specifications

		THR100H Dual	THR100H
Amp Type		SOLID, CLEAN, CRUNCH, LEAD, MODERN	SOLID, CLEAN, CRUNCH, LEAD, MODERN
Tube Type		EL34, 6L6GC, KT88, EL84, 6V6	EL34, 6L6GC, KT88, EL84, 6V6
Effects		BOOSTER (*White/Amber/Green) REVERB (*Hall/Room/Plate/Spring) NOISE GATE (*OFF/1/2/3) FX LOOP (*PARALLEL/SERIAL) SPEAKER SIMULATION (*Impulse Response) *Only selectable in the THR HD_H Utility	BOOSTER (*White/Amber/Green) REVERB (*Hall/Room/Plate/Spring) NOISE GATE (*OFF/1/2/3) FX LOOP (*PARALLEL/SERIAL) SPEAKER SIMULATION (*Impulse Response) *Only selectable in the THR HD_H Utility
Control SW Front		POWER, AMP SELECT, BOOSTER x2	POWER, BOOSTER
Control Knob Front	AMP I	AMP TYPE, BOOSTER, GAIN, MASTER, BASS, MIDDLE, TREBLE, PRESENCE, REVERB, LEVEL	AMP TYPE, BOOSTER, GAIN, MASTER, BASS, MIDDLE, TREBLE , PRESENCE, REVERB, LEVEL
	AMP II	AMP TYPE, BOOSTER, GAIN, MASTER, BASS, MIDDLE, TREBLE, PRESENCE, REVERB, LEVEL	N/A
Control SW Rear		CLASS A/AB x2 GND LIFT IMPEDANCE 4/8/16Ω POWER OUTPUT 25/50/100W	CLASS A/AB GND LIFT IMPEDANCE 4/8/16Ω POWER OUTPUT 25/50/100W
Control Knob Rear		TUBE TYPE SELECT x2	TUBE TYPE SELECT
Input/Output Front		INPUT I (1/4" Phone) INPUT II (1/4" Phone)	INPUT (1/4" Phone)
Input/Output Rear		PHONES (1/8" Mini Stereo) FOOTSWITCH (5pin DIN) EFFECT LOOP SEND/RETURN (Stereo 1/4" Phone) SPEAKER OUT 1 (1/4" Phone), SPEAKER OUT 2 (1/4" Phone) LINE OUT I (XLR), LINE OUT II (XLR) AC IN Jack	PHONES (1/8" Mini Stereo) FOOTSWITCH (5pin DIN) EFFECT LOOP SEND/RETURN (1/4" Phone) SPEAKER OUT (1/4" Phone) LINE OUT (XLR) AC IN Jack
USB (TO HOST)		●	●
Power Amplifier Type		ClassD	ClassD
Rated Power Output		Single Amp: 100W (8/16Ω) 50W (4Ω) Dual Amp: 100W (50W+50W)	100W (8/16Ω) 50W (4Ω)
A/D	Resolution	24 bit + 3 bit floating	24 bit + 3 bit floating
	Sampling Rate	44.1 KHz	44.1 KHz
D/A	Resolution	24 bit	24 bit
	Sampling Rate	44.1 KHz	44.1 KHz
Input Level	INPUT	-10 dBu/ 1 MΩ	-10 dBu/ 1 MΩ
	RETURN	0 dBu/ 10KΩ	0 dBu/ 10KΩ
Output Level	PHONES	10 mW/ 30 Ω	10 mW/ 30 Ω
	SEND	0 dBu/ 10 KΩ	0 dBu/ 10 KΩ
	LINE OUT	+4 dBu/ 600Ω	+4 dBu/ 600Ω
Power Consumption		60W	40W
Power	Voltage	100 - 240V	100 - 240V
	Frequency	50/60 Hz	50/60 Hz
PC Interface Type		USB 2.0	USB 2.0
Body	Dimensions	W445 x D248 x H125 mm	W445 x D248 x H95 mm
	Weight	4.2 kg	3.6 kg
Accessories		AC Cable, User Manual, Footswitch, Footswitch Cable	AC Cable, User Manual, Footswitch Footswitch Cable

|		FSW2 Bundled Footswitch for THR100H Dual	FSW1 Bundled Footswitch for THR100H
Connection		5pin DIN	5pin DIN
Control SW		AMP I/II, AMP I+II, BOOSTER, REVERB, FX LOOP	BOOSTER, REVERB, FX LOOP
Body	Dimensions	W370 x D60 x H53 mm	W370 x D60 x H53 mm
	Weight	0.8 kg	0.8 kg

Welcome to the big time

THRC212/112

Stack the odds in your favor

Almost all of the classic tube sounds of the last few decades have been a product of the synergy between a high-quality amp head and a dedicated speaker cabinet designed to complement the unique sonic characteristics of the amp. The THRC112/THRC212 are no different, and have been crafted and tuned specifically to accommodate the versatile amp, speaker, and valve simulations of THR amp heads. The compatibility doesn't stop there; the THRC112 is a 1x12" cabinet that has been optimized for use with the THR100H, while the THRC212 features two 12" speakers in a left-right configuration as is compatible with stereo inputs, so you can take full advantage of the THR100H Dual's unique dual amp functionality to give you the sound of two distinctive speakers at once. Even the exterior of the enclosures has been matched to the classic design of the THR amp heads. The THRC112 and THRC212 make it easier than ever to dial in the legendary tube sounds you've always dreamed of, or cut loose with your own trademark tone that will increase your odds of winning over any audience.

THRC212
Specially designed to be the perfect companion to THR100H Dual, the THRC212 features mismatched Eminence Legend1218 and The Tonker 12" drivers to provide the perfect balance of clarity, punch and vintage warmth. With switchable mono or stereo operation, you can choose which driver to partner with which amp for another level of tone customization.
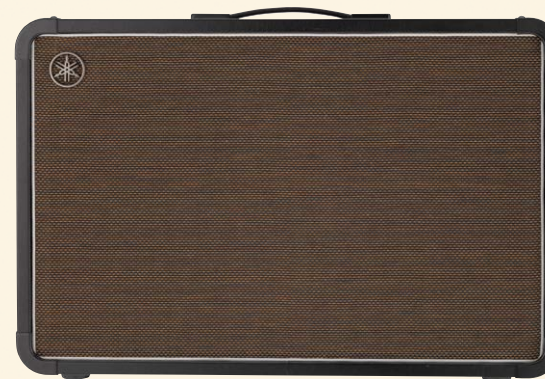
THRC112
The compact THRC112 features a single Eminence Legend1218 12" driver for powerful, punchy tone from a lightweight and ultra-portable enclosure.

THRC212

THRC112

THRC212, THRC112 Specifications

		THRC212	THRC112
Type		Closed Back	Closed Back
Speakers	Size	2x12"	1x12"
	Name	Left: Eminence Legend1218 Right: Eminence The Tonker	Eminence Legend1218
	Frequency	70Hz-5.5kHz	70Hz-5.5kHz
Power Rating		150W+150W or 300W (150W+150W)	150W
Impedance		8Ω or 16Ω (8Ω+8Ω)	8Ω
Input Rear		INPUT (1/4" Phone) x3	INPUT (1/4" Phone)
Control SW Rear		INPUT SINGLE/DUAL	N/A
Body	Dimensions	W701 x H471 x D301 mm	W481 x H371 x D271 mm
	Weight	24kg	13kg
	Material	Plywood 18mm	Plywood 18mm
Accessories		User manual	User manual

Your sound, wherever you are.

Yamaha's THR amps have captivated guitarists around the globe. The little amp with a big tone and a feature-set designed to give players just what they need when they're not on-stage has finally proven that a gig or session isn't the only place you should expect the perfect tone. And now that tone's getting even better - the newly upgraded THR5v2 and THR10v2 feature enhanced cabinet behaviors such as multi-mic'd speaker simulation, for better sound quality with cleaner cleans and dirtier distortion.

Eminently portable, THR amps run on both AC and battery power, guaranteeing that you'll sound great no matter where you are. Each of the five THR amps has its own distinctive sound, feel, and tone, with amazingly natural, sought-after tones on tap. From shimmering acoustic tones, soaring leads, crunchy power riffs, to all-out metal mayhem, the THR series has got you covered.

Built to ensure that you sound great and play better, THR amps deliver quality audio playback that allows you to practice along with external audio sources in hi-fi sound. When inspiration strikes, the integrated USB port means that you can lay down tracks effortlessly with your bundled copy of the renowned Cubase AI DAW software. For even more flexibility, you can download THR editor, giving you more detailed control of your THR's tone, effects, and overall sound.

Whatever your style, whatever your preference, wherever you are, THR meets the off-stage demands of guitarists across the nation and beyond.
It's not just an amp, it's a THR.
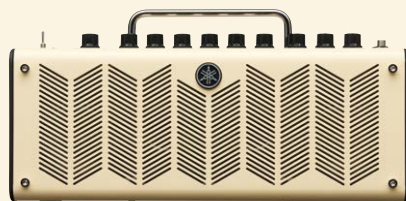
Authentic Tube Tone

THR10/5

A new take on classic tone

The THR 5 and 10, the amps that took the guitar world by storm, have been updated with new speaker simulations that deliver more depth and character than ever before. With jaw-dropping effects, hi-fi quality stereo playback, and incredible tube amp sound and response—even at low volume levels—these new models offer superb tone that will keep you rocking for hours on end.

THR10

THR10 Control panel

THR5

THR5 Control panel

Authentic Boutique Tone

THR10C

This is more than a sound– It's a feeling...

THR10C takes the personal-amp concept to a new level of audio fidelity. The finest tube amps respond to a player's every touch – with picking dynamics and playing style adding as much to the tone as your guitar and pickups. Using Yamaha's exclusive VCM (Virtual Circuitry Modelling) technology, THR10C perfectly recreates the unmistakable response and dynamics that only a boutique tube combo can provide.

High-end, hand-wired tone at your fingertips

THR10C Control panel

Setting suggestions

● **DELUXE**
Twin 6V6 power tubes and a low-gain 12AX7 preamp section start breaking up only when pushed to the maximum. This is warm, clean heaven.

● **CLASS A**
True Class A configuration from 4 EL84s combined with unique, ultra-interactive EQ gives rich, smooth harmonics and versatile, musical tone. For something really special, drive the power section harder than the preamp.

● **US BLUES**
Twin EL84s and solid-state rectification give this low-power, low-gain combo a combination of clarity, dynamics and response that sings. Drop the midrange with single-coils for silky clean blues tones.

● **BRIT BLUES**
Twin KT66 output tubes break up early. Turn it up with humbuckers for the ultimate mid-60s blues rock tone.

● **MINI**
The definition of simplicity – 1 EL84 and 1 12AX7. We added EQ for more flexibility but leave everything at 12 o'clock to find out what your guitar really sounds like...

Extreme High Gain

THR10X

| 6 Amp Modelings | 8 Effects | Hi-Fi Stereo | AUX IN | Battery Powered AC Powered | Bass Amp Modeling | USB Connection | ← CUBASE AI |

Extreme high-gain stacks – on your desktop!

THR10X is dedicated to guitarists that want more gain, more distortion and the unmatched response of a cranked high-output stack. With 5 different channels from 3 amps, all delivering dynamic, intense distortion, THR10X perfectly delivers the subtly different distortion characteristics of each amp or channel to give a tone and response perfectly suited to everything from classic rock to extreme metal.

More than just distortion...

THR10X Control panel

Setting suggestions

● POWER I
This unique crunch tone's presence and bite ensure your guitar sits perfectly in any mix

● POWER II
More bass and more gain than Power 1 delivers a thicker, richer tone for smooth, distinctive lead tones

● BROWN I
Clear, natural distortion that stays clean and clear, even when cranked, for an unmistakably powerful American rock rhythm tone.

● BROWN II
Richer bass, stronger low-mid and more sustain than Brown 1 gives controllable, articulate gain for searing lead tones.

● SOUTHERN HI
An ultra high-gain preamp section and fast-tracking power-amp deliver an intense, crushing modern metal tone

● CLEAN
The same low-gain, natural amp as THR10C's 'Deluxe' model gives clean, articulate tone.

Natural Acoustic Tone

THR5A

| 4 Acoustic Mic | 6 Effects | Hi-Fi Stereo | AUX IN | Battery Powered AC Powered | Guitar Amp Modeling | USB Connection | ← CUBASE AI |

A new way to experience your electric-acoustic guitar

THR5A is optimized for use with electric-acoustic and Silent Guitars. Utilising advanced modeling technologies developed by Yamaha, THR5A offers simulations of classic tube condenser and dynamic mics combined with studio-grade effects to create recording-studio tone direct from your guitar and wherever you are.

THR5A Control panel

Unlock your electric-acoustic tone...

The only time most electric-acoustic guitars get plugged-in is when they're on-stage. But by matching your guitar with THR5A the expressive tone of a studio-mic'd acoustic together with incredible effects will unlock more creative expression than ever before for the ultimate practice, writing or recording experience.

THR5A features mic types perfectly tailored for steel-string and nylon-string guitars, together with a natural, clean amp model for electric guitar.

• CONDENSER:	An open, clear full-range response and incredible dynamics - well suited to any playing style
• DYNAMIC:	Powerful midrange response and a tight tonal core suit for outstanding tonal focus
• TUBE:	Warm and rich with a smooth low-midrange focus
• NYLON:	Perfectly voiced for a natural sound from nylon-string electric-acoustic guitars
• EG CLN:	The same 'Deluxe' model as THR10C for smooth, clean, clear tube electric tones – or pushing your electric-acoustic sounds to somewhere new...

The perfect companion to your silent guitar

Yamaha's Silent Guitars feature onboard effects to give natural, dynamic tones when used with headphones – but partnered with THR5A's studio-grade microphone simulations, Silent Guitar offers an incredible acoustic tone. Simply choose from Condenser, Dynamic or Tube mics to match with your steel-string Silent Guitar, or Nylon to match with your nylon-string model, and double your playing pleasure with an all-new Silent Guitar experience.

The Lowdown
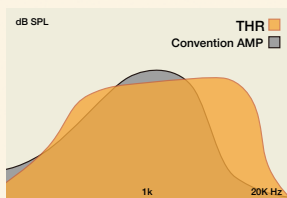
Yamaha Hi-Fi audio technology

THR was developed with Yamaha's award-winning AV division to offer true hi-fi stereo sound and a new experience in guitar amplifiers. The exclusive, specially designed speaker enclosure is optimised to handle both guitar and stereo playback sounds making THR uniquely capable of giving you amazing tone for both your guitar and your track from a compact, portable amp.

New Extended Stereo Technology

THR incorporates Yamaha's new Extended Stereo Technology to create an incredibly wide, spacious audio image. Stereo tracks and studio quality reverb take on a depth unimaginable from such a small enclosure.

CUBASE AI

THR is bundled with Cubase AI, Steinberg's professional music production application that offers full-fledged recording and editing.

Dual Effects

THR features dual effects circuits providing natural, ultra-musical effects. One circuit handles stomp-box-style modulation effects while the other provides outstanding studio-grade delays and reverbs. With the THR Editor software, both effects processors can be edited in incredible depth.

TAP : TIME / HOLD : TUNER

Tap tempo function to quickly set delay time.The built-in chromatic tuner features accurate, stable tuning and an easy to read display.

THR Editor

The THR Editor, available for download from http://download.yamaha.com, offers deep editing of amp and effect parameters using a computer. Additional in-depth controls include compressor and noise gate functions.

Virtual Tube Illumination

THR's Virtual Tube Illumination includes a simulated orange tube glow from the metal speaker grille.

TAPE ECHO

Perfectly complementing the low-gain audiophile amp models, THR10C features an all-new TAPE ECHO effect that captures the detail of an analogue machine, right down to the wow and flutter of the repeats.

USER MEMORY

User memory function lets you save up to five amp settings of all controller and switch settings for quick recall. (THR10 series only)

USB Connection

THR's design provides stereo playback from your smartphone or other device through its AUX jack or direct from your computer via the USB connection.

THR Session

THR Session is an iOS app for iPhone and iPod touch.

Learn songs faster and easier and play along with your music library like never before. THR Session will change your daily guitar practice forever.

You can slow down songs without losing audio quality, change the pitch or repeat any segment of a song to learn even the trickiest guitar part. It even allows you to cancel out the original guitar sound; it's like playing a session with your dream band! This app is the perfect audio toolbox for today's guitarist and with a Yamaha THR amp, gives you a practice experience like no other.

Features

■ Guitar Cancellation/Extraction

- Cancellation: Mute the guitar and/or Bass sound from the songs in your iOS device library.
- Extraction: Isolate the guitar and/or bass parts to help you learn songs by ear
- Preset: 3 presets (Guitar High Mode / Guitar Low Mode / Bass Mode) to help you quickly find the instrument you want to cancel.

■ Audio Play Functions

- A-B Repeat: Repeatedly plays a selected segment of a song.
- Key Transpose: Changes pitch of songs(± one whole step)
- Slow Down: Changes tempo of songs with no effect on the pitch(50-100%)

■ System Requirement

Compatible with iOS5.0 or later

Why THR is different: Our sound doesn't start with the tone...

Think of THR kind of like a hand-wired amp from a tiny boutique amp maker. It's just not hand-wired. Or from a tiny boutique amp maker. You see, instead of spending their days with a soldering iron and a box full of components, our amp developers have a slightly different toolkit – VCM.

VCM, or Virtual Circuitry Modeling, is a proprietary physical modeling technology developed by K's Lab, one of Yamaha's most progressive engineering groups. K's Lab's goal with VCM was to push digital signal processing beyond the realms of simulating superficial sound characteristics and into the muddy waters where analogue equipment reigns supreme – musicality. Using the techniques developed to make the world's first commercially available physical modeling synthesizer, the VL-1, VCM uses powerful Digital Signal Processing (DSP) technology to create virtual circuits that precisely replicate the behavior of analog circuits and their effects on the signals passing through them – including even the most mythical of all analog components, the vacuum tube.

Most digital signal processors, amps and effects start with the tone - using their DSP power to modify the output of their audio circuit in an attempt to make it sound a certain way. While this can create a passable 'static' version of the desired sound, this method misses the things that define the best analog signal processors – the perfect combination of response, dynamics and tone that give analog circuits a three-dimensional feel and, more often than not, a 'sweet-spot' where it just all comes together. The theory of VCM is that by using DSP to create a virtual circuit path for the audio to pass through, not only will the tone be right but the VCM circuit will also recreate those intangible elements of response and dynamics that combine with tone to create the holy grail of signal processing – true musicality. By refining the complex physical modeling algorithms that allowed the VL-1 to generate natural tones, VCM is able to model the precise behavior of each element in a circuit and therefore the exact changes that circuit makes to a signal passing through it. VCM is even powerful enough to model the tonal and dynamic changes that result from the way a power amp interacts with a particular speaker cabinet. And this isn't just a marketing-department invention - Google 'damping factor' and you'll start to see why the power of VCM helps make THR feel like a big, cranked amp. Without taking it into account, an amp just won't feel right…

But as with most things, it's not a case of good or bad – just different. And that's where the real power of VCM comes in. While physical modeling techniques are an impressive technical tool that can be used like a carbon-copy machine for circuits, we think of it more like a virtual soldering iron in our engineer's hands. Thanks to the incredible power and accuracy of the VCM algorithms that power THR, individual virtual components can be changed or tweaked for each amp model based on what sounds, feels and works better - effectively creating modified circuits that combine elements from different amps to make new, unique amp models that are far more than blind, soulless simulations of other people's designs.

If you want to know what that really means to you, as a player, try diming the master control on one of THR's low-power amp models. Sure, it has amazing tone – but it's the feel that you'll notice. The tone's really nothing more than a bi-product. Just like any great amp.

Amp model descriptions

THR10/5	
CLEAN:	Rich clean tones from a 6L6 power section with early breakup for incredible jazz, blues and country sounds.
CRUNCH:	Low-powered EL84 class-A tube output with bright, clear, dynamic power amp distortion characteristics.
LEAD:	Low-gain preamp section and EL34 power section for 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
BASS: *	High-power all-tube design for dynamic, driving bass tone.
ACO: *	Electric-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.

THR10C	
DELUXE:	Twin 6L6 output stage and low gain preamp for clean tube warmth with late-breakup
CLASS A:	4xEL84s in a true Class-A configuration with interactive EQ for rich, complex harmonic tones and warm overdrive
US BLUES:	low-power, low-gain twin EL84 design for clarity and definition
BRIT BLUES:	KT88 powered for easy breakup and midrange rich overdrive
MINI:	12AX7, single EL84 – a no-frills tone monster that responds incredibly to picking dynamics
BASS, ACO, FLAT:	These are the same as on the THR10. Refer to the entries above

THR10X	
POWER I:	"Crunch Ch" European 6L6 and 12AX7 tone for powerful, crunch tones with loads of presence
POWER II:	"Lead Ch" European 6L6 and 12AX7 tone with increased bass and gain for thick, smooth leads
BROWN I:	"Crunch Ch" US 6L6 and 12AX7 tone gives clear, clean overdrive with late breakup and great control
BROWN II:	"Lead Ch" US 6L6 and 12AX7 tone with thicker low-mid response and increased gains for articulate lead tones
SOUTHERN HI:	6550 output tubes and 12AX7-driven preamp with ultra-tight, fast tracking for crushing high-gain
CLEAN:	Classic American clean tube amp – low gain preamp, 6L6 power section and 12-inch speaker with clear, late breakup
BASS, FLAT:	These are the same as on the THR10. Refer to the entries above

THR5A	
CONDENSER:	Electric-acoustic optimized input with mic simulations for natural, clear 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 acousticelectric classical or nylon string guitar.
EG CLN:	Classic American clean tube amp – low gain preamp, 6L6 power section and 12-inch speaker with clear, late breakup

*THR10 only

Specifications

		THR10	THR5	THR10C	THR10X	THR5A
Amp Simulations		CLEAN, CRUNCH, LEAD, BRIT HI, MODERN, BASS, ACO, FLAT	CLEAN, CRUNCH, LEAD, BRIT HI, MODERN	DELUXE, CLASS A, US BLUES, BRIT BLUES, MINI, BASS, ACO, FLAT	POWER I, POWER II, BROWN I, BROWNII, SOUTHERN HI, CLEAN, BASS, FLAT	CONDENSER, DYNAMIC, TUBE, NYLON, EG CLN
Effects	**CHORUS**	●	●	●	●	●
	FLANGER	●	●	●	●	—
	PHASER	●	●	●	●	—
	TREMOLO	●	●	●	●	—
	DELAY	●	●	—	●	●
	DLY/REV	●	●	—	●	●
	SPRING	●	●	●	●	—
	HALL	●	●	●	●	●
	TAPE ECHO	—	—	●	—	—
	ECHO/REV	—	—	●	—	—
	COMP	—	—	—	—	●
	CMP/CHO	—	—	—	—	●
EQ		BASS, MIDDLE, TREBLE	TONE	BASS, MIDDLE, TREBLE	BASS, MIDDLE, TREBLE	TONE
Chromatic Tuner				●		
User Memory		5	—	5	5	—
Connections		INPUT (Standard Monaural Phone Jack), PHONES (Standard Stereo Phone Jack), AUX (Stereo Mini Jack), USB 2.0, DC IN				
Power Source		AC Adapter/Battery (AA Batteries x 8)				
Speakers		8cm Full Range x 2				
Rated Output		10W (5W + 5W)				
Dimensions (W x H x D)		360 x 183.5 x 140mm	271 x 167 x 120mm	360 x 183.5 x 140mm		271 x 167 x 120mm
Weight		2.8kg	2.0kg	2.8kg		2.0kg
Accessories		AC Adapter, USB Cable, Stereo Mini Cable, Owner's Manual, Cubase AI Download Infomation				

* Specifications and appearance may change without notice.