

# *Marshall*

AMPLIFICATION



Advanced**Valvestate**Technology

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**AVT20X, AVT50X & AVT50HX**

Owners Manual

## From Jim Marshall

I would like to thank you personally for selecting one of our Valvestate AVT amplifiers.

Ever since its initial launch in the early 1990's, the original Marshall Valvestate technology received worldwide acclaim and set a new standard in affordable quality amplification. However, my dedicated team of designers are constantly looking for methods to make our amplifiers sound even better. As they are all guitar players themselves this process has become a passion within the design department.

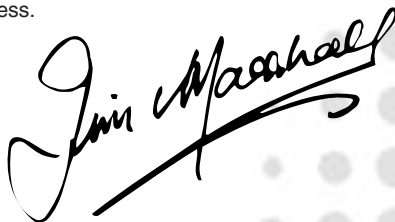
As the name Advanced Valvestate Technology (AVT) suggests, your new amplifier benefits from their research and utilises their latest circuit innovations, all of which are totally unique to Marshall. By emulating the feel and response of an all-valve amplifier even more closely, the AVT range perform brilliantly and represent yet another major step forward in guitar sound technology.

Since I first began making amplifiers in 1962, one of the key factors in our success has been reliability. Therefore, many hours of exhaustive testing have been carried out in the development of AVT to ensure that this remains so.

I suggest that you read this manual thoroughly before operating your new amplifier and keep it in a safe place for future reference. This will help you to derive maximum enjoyment from our Advanced Valvestate Technology.

Wishing you every success.

Yours Sincerely,

A stylized, handwritten signature of Jim Marshall in black ink, featuring a large, flowing 'J' and 'M'.

## Introduction

Welcome to the third and most recent generation of Marshall Valvestate guitar amplifiers - AVT.

### The History

We first started making the critically acclaimed Valvestate amplifiers in the early 90s and then updated the original range to the best-selling VS II line in 1996. Our original intention with Valvestate was simple: to capture the special sound and feel of a Marshall valve amplifier by using solid state technology. By so doing we knew we could make our unique and highly desirable tones more affordable and thus more available to many more guitar players. The first two generations of Valvestate both achieved these goals and have become firm favourites with players and critics alike, the world over. Now, we have once again redefined what guitarists can expect from affordable backline amplification. Utilising all the knowledge and experience gained over the years, we proudly bring you - AVT Series.

### Addictive Tone

In this latest generation, not only will you find more, guitarist-friendly features, but more (much more!) valve-like tone and feel. As with all our amplifiers, we started designing with a clean slate - relying totally on our experience, skill and tonal history. As all our designers are guitarists in addition to being exceptional engineers, the aforementioned feel and tone were an absolute priority from the beginning. In short our goal was to make these amps so enjoyable to play, they are addictive!

### Pre-amp Valve Power

In each of the Valvestate range, all the preamp stages are equipped with an ECC83 (a.k.a. 12AX7) Dual Triode valve. Drawing on our vast experience in this field, we have gone to great lengths to ensure that this precious device delivers maximum sonic benefit at all settings and volume levels. As a result, even the AVT clean sounds ring with the bell like harmonics that only a valve pre-amp can deliver. On the Overdrive channels the ECC83's dual triodes are saturated to their limit, providing the dynamics and feel worthy of a place in the Marshall hall of fame. The same sort of toneful care and attention was focused on the all-important power stage of each amp too. Once again we wanted to ensure that they delivered the warm, musical feel and 3-dimensional sounds that have made our all-valve power-amps world-renowned. We are so proud of the end results of our labour that we felt we had to coin a new name for the technology used. So, we christened it AVT - Advanced Valvestate Technology.

### Fire-breathing Babies

This manual covers the AVT20X and AVT50X combos plus the AVT50HX head. Even though these are the 'babies' of the range, they go far beyond the realms of traditional, lower powered amps. These are all real, fire-breathing Marshall amps in their own right, and, as such, are bestowed with all the technology, tone, and feel of their higher-powered brethren. As is the case with the entire AVT range, the loudspeakers used are all custom built by Celestion and have been specifically designed to fully complement and augment the myriad of sounds generated by our Advanced Valvestate Technology.

## AVT20X Combo Front Panel Features

### 1. Input Jack Socket

This is where you plug your guitar into the amp. In case you are not aware, you must always use a screened guitar cable, never use an unscreened speaker lead. Also, for the best performance this cable should be one of high quality. If you are in any doubt regarding this, your Marshall dealer will be more than happy to help and advise you further.

### 2. Clean/Overdrive selection switch

Your AVT20X has two selectable modes - Clean and Overdrive. When the switch is 'out' Clean is selected, when it is pushed 'in' Overdrive mode is activated.

The Clean mode of the AVT20X has the warm, responsive action normally associated with a valve amp, rather than the relatively sterile, one-dimensional sound that is typical of many solid-state type guitar amps. At lower Gain settings this mode remains very clean but will evolve into a blues/rock type crunch at higher Gain settings.

When Overdrive is selected it will take you from mild crunch to aggressive 'modern' distortions and all-points in between. The many sonic palettes available are dependent on the exact settings of the front panel controls for Gain, Volume, Treble, Middle and Bass.

### 3. Gain Control

This rotary control can best be described as the sonic 'brains' of the amp. At lower settings, with the Clean/Overdrive switch set to Clean, the AVT20X will give you a wide range of well-defined clean tones. At higher Gain settings, the amp will start to 'crunch up' into the aforementioned 'blues/rock' type sounds. This 'crunching up' is often referred to as 'break-up'. When Overdrive mode is selected lower Gain settings will give you a vintage sounding, valve distortion while higher settings will produce more modern, high-gain tones.

### 4. Volume Control

As its name suggests, the Volume control determines how loud your AVT20X will be by controlling how much signal is transferred from the preamp to the power amp. Due to the remarkable realism of our Advanced Valvestate Technology, once the Volume control is turned-up past a certain point, the preamp will start to push the power amp section into creating its

own, desirable distortion mode - just like an all-valve Marshall amp. When this occurs, the AVT20X's power amp will start to add musical harmonics, compression and 'break-up' into your sound.

### 5. Tone Controls

The AVT20X is equipped with rotary Bass, Middle, and Treble controls, all of which work on both the Clean and Overdrive modes. These three passive EQ controls are designed to achieve maximum tonal variation from your AVT20X and, just like our famous all-valve amps, are highly inter-dependent on each other. As a result, the way each one functions depends on the exact position of the other two controls. This is especially true of the Bass and Treble controls in relation to the Middle control. The lower the Middle control, the more reaction can be obtained from the others. As tone is very much down to personal taste, experimentation and experience is probably the best way of learning how these three controls will affect your sound. Some suggested settings are shown later.

#### \* Points to remember are:

**A)** The tone and output level coming out of the guitar is as widely variable as there are guitars themselves, all guitars are not designed (nor intended) to be equal. Therefore, amp settings will vary to suit your guitar and playing style, and by necessity, are at your discretion. Again, if in doubt, consult your Marshall dealer for advice.

**B)** The tone of your sound is also dependent on the settings of the 'tone' controls, and adjusting them to taste will further enhance the sonic textures of your AVT20X. The best way to achieve your desired settings is to experiment.

### 6. Reverb Depth Control

Your AVT20X is fitted with an internal spring Reverb unit. This control affects the mix of the direct (dry) and Reverb signals - the higher this control is set, the greater the Reverb depth.

### 7. CD Input Jack Socket

The CD input will take a stereo signal from an external source, such as a CD or tape player, and mix it into a mono format. This will allow you to play along with a pre-recorded signal. Because this input is after the preamp stage, its volume has to be controlled from your CD or tape player.

## 8. Emulated DI Out Jack Socket

This jack socket carries a specially treated output signal from your AVT20X which accurately emulates the sonic signature of a guitar loudspeaker. This output can be used in both live performance and recording situations to achieve authentic guitar amp tones without having to use a microphone. Furthermore, if you wish to mute the loudspeaker, for 'silent' recording, then merely insert an unused jack plug (a short patch cable will do fine) or a set of headphones into the Headphone socket.

## AVT20X Combo Rear Panel Features

### 1. Mains Input Connector

Your AVT20X is provided with a detachable mains (power) lead which is connected here. The specific mains input voltage rating that your amplifier has been built for is shown on the back panel. Before connecting for the first time,

## 9. Headphone Jack Socket

In addition to providing a specially filtered output signal for a set of headphones, this jack also disconnects the main loudspeaker, enabling you to practice in 'silence'.

## 10. External Speaker Jack Socket

This socket allows you to connect your AVT20X into an external loudspeaker system, provided it has an impedance of 8 or 16 ohms. By using any one of our comprehensive range of extension cabinets, you will be able to unleash the massive amount of tonal options that extra loudspeakers will provide.

please ensure that your electricity supply is compatible with your amplifier. If you have any doubt, please get advice from a qualified person. Your Marshall dealer will help in this respect.

## AVT50X Combo & AVT50HX Head Front Panel Features

### 1. Input Jack Socket

This is where you plug your guitar into the amp. In case you are not aware, you must always use a screened guitar cable, never use an unscreened speaker lead. Also, for the best performance this cable should be one of high quality. If you are in any doubt regarding this, your Marshall dealer will be more than happy to help and advise you further.

### 2. Clean Gain Control

When the Clean channel is selected, this rotary control can best be described as the sonic 'brains' of said channel. At lower settings, this control will give you a wide range of well defined clean tones. At higher settings, this control will start to 'crunch up' the sound of the channel in a 'blues/rock' type fashion. This 'crunching up' is often referred to as 'break-up'.

### 3. Clean Volume Control

As its name suggests, this control determines how loud the clean channel of your AVT50X will be by controlling how much signal is transferred from the preamp to the power amp.

The actual volume settings will be dependent on how loud you want the channel to be, and also what type of sound you have selected on the pre-amp. Due to the remarkable realism of our Advanced Valvestate Technology, once the Volume control is turned-up past a certain point, the preamp will start to push the power amp section into creating its own, desirable distortion mode - just like an all-valve Marshall amp. When this occurs, the AVT50X's power amp will start to add musical harmonics, compression and 'break-up' into your sound.

### 4. Clean Tone Controls

The AVT50X Clean Channel is equipped with rotary Bass and Treble controls, with a pre-set mid 'scoop'. As is the case with our all valve amps, these two passive controls are very inter-dependent on each other. As tone is very much down to personal taste, experimentation and experience of the control's functions is probably the best way to learn how they will affect your sound. We would advise spending some time with these controls to see what suits you best. Some suggested settings are shown later, to act as possible starting points.

## 5. Channel Push-switch

Your AVT50X has two channels - Clean and Overdrive. This switch selects the channel you desire - 'out' for Clean and 'in' for Overdrive. When using the supplied footswitch, the channel push-switch must be left in the 'in' position for the footswitch to operate.

The Clean channel of the AVT50X has the warm, responsive action normally associated with a valve amp, rather than the relatively sterile, one-dimensional sound that is typical of many solid-state type guitar amps. At lower Gain settings this channel remains very clean but will evolve into bluesy/rock type crunch at higher Gain settings.

When the Overdrive channel is selected it will take you from mild crunch to aggressive 'modern' distortions and all-points in between.

The many sonic palettes available from both channels are dependent on the exact settings you choose on the front panel controls for Gain, Volume and EQ.

### 6. Overdrive Gain Control

When the Overdrive channel is selected, this rotary control acts as it's sonic 'brain'. Lower Gain settings will give you a vintage sounding, valve distortion while higher settings will produce more modern, high-gain tones.

### 7. Overdrive Volume Control

As its name suggests, this control determines how loud your AVT50X's Overdrive channel will be. The volume setting you choose will be dependent on both how loud you actually want to be, and also what type of sound you have set up on the preamp, i.e. high overdrive settings will be generating much more preamp output level than lower, cleaner settings. Due to the remarkable realism of our Advanced Valvestate Technology, once the Volume control is turned-up past a certain point, the preamp will start to push the power amp section into creating its own, desirable distortion mode - just like an all-valve Marshall amp. When this occurs, the AVT50X's power amp will start to add musical harmonics, compression and 'break-up' into your sound.

### 8. Overdrive Tone Controls

The AVT50X is equipped with rotary Bass, Middle, and Treble controls, for the Overdrive Channel. These three passive EQ controls are

designed to achieve maximum tonal variation from your AVT50X and, just like our famous all-valve amps, are highly inter-dependent on each other. As a result, the way each one functions depends on the exact position of the other two controls. This is especially true of the Bass and Treble controls in relation to the Middle control. The lower the Middle control, the more reaction can be obtained from the others. As tone is very much down to personal taste, experimentation and experience is probably the best way of learning how these three controls will affect your sound. Some suggested settings are shown later.

### \* Points to remember are:

**A)** The tone and output level coming out of the guitar is as widely variable as there are guitars themselves, guitars are not designed (nor intended) to be equal. Therefore, amp settings will vary to suit your guitar and playing style, and, by necessity, are at your discretion. Again, if in doubt, consult your Marshall dealer for advice.

**B)** The tone of your sound is also dependent on the settings of the 'tone' controls, and adjusting them to taste will further enhance the sonic textures of your AVT50X.

### 9. Reverb Depth Control

The AVT50X is fitted with an internal spring Reverb unit. This control affects the mix of the direct (dry) and Reverb signals - the higher the control is set, the greater the depth of the Reverb.

### 10. CD Input Jack Socket

The CD input will take a stereo signal from an external source, such as a CD or tape player, and mix it into a mono format. This will allow you to play along with a pre-recorded signal. Because this input is after the preamp stages, its volume has to be controlled from your CD or tape player.

### 11. Headphone Jack Socket

In addition to providing a specially filtered output signal for a set of headphones, this jack also disconnects the main loudspeaker, enabling you to practice in 'silence'.



## AVT50X Combo & AVT50HX Head Rear Panel Features

### 1. Mains Input Connector

Your AVT50X is provided with a detachable mains (power) lead which is connected here. The specific mains input voltage rating that your amplifier has been built for is shown on the back panel. Before connecting for the first time, please ensure that your electricity supply is compatible with your amplifier. If you have any doubt, please get advice from a qualified person. Your Marshall dealer will help in this respect.

### 2. Loudspeaker Jack Socket

#### i. Combo Version (AVT50X)

This socket allows you to connect your AVT50X into an external loudspeaker system, provided it has an impedance of 8 or 16 ohms. By using any one of our comprehensive range of extension cabinets, you will be able to unleash the massive amount of tonal options that extra loudspeakers will provide.

#### ii. Head Version (AVT50HX)

This is where you connect your AVT50X Head to external loudspeaker cabinets in order to deliver the extraordinary power that only a Marshall head can provide.

The AVT50HX is specifically voiced to run into the AVT412XA / AVT412XB 4x12" compact cabinet combination. Having said this the AVT50HX is equally at home driving any one of our other loudspeaker options, such as the legendary 1960A/B 4x12" full size cabinets for example.



#### WARNING:

Always provide the AVT50HX with a load equal to, or greater than, 4 Ohms. Using the two loudspeaker outputs, with cabinets rated at 8 Ohms each, the full 50W of the specially designed AVT power amplifier will be unleashed.

### 3. Emulated DI Out Jack Socket

This jack socket carries a specially treated output signal from your AVT50X which accurately emulates the sonic signature of a guitar loudspeaker. This output can be used in both live performance and recording situations to achieve authentic guitar amp tones without having to use a microphone. Furthermore, if you wish to mute the loudspeaker, for 'silent' recording, then merely insert an unused jack plug (a short patch cable will do fine) or a set of headphones into the Headphone socket.

### 4. FX Return Jack Socket

Use a high quality shielded lead to connect the output of your effects unit to the effects return jack of the AVT50HX.

### 5. FX Send Jack Socket

The AVT50X is fully equipped with a Series effects loop in order to allow you to connect external effects units to the amplifier. As always, we recommend you use high quality leads to ensure you lose none of the tone of the AVT50X's direct signal. Connect this output to the input of your effects unit. Adjust the input gain of your effects unit so as not to overdrive its circuitry. Set the effects unit output level to achieve the same 'effected volume' as in bypass.

### 6. Footswitch Input Jack Socket

Supplied with your new AVT50X is a Marshall Channel select footswitch (PEDL-10001). This plugs into the Footswitch Input Jack Socket.

## Suggested Settings

On all the following suggested settings you will immediately notice how rich and authentic the sounds are. As you will hear, even on clean settings AVT adds those subtle harmonics and that desirable compression which only a classic all-valve amp can normally deliver.

### Funky Clean

A really bright clean which still maintains Mid definition. This is best used in conjunction with a single-coil neck pick-up or the neck / bridge combination on a humbucker-equipped guitar. Keeping the Gain control low ensures a clean preamp signal and also helps feed extra treble through to the power amplifier for additional brightness and cut.

### Blues Clean

Here the preamp Gain is increased and what you start to hear is pure, harmonically rich break-up and compression from the internal Marshall ECC83. Again the neck pick up on a single coil guitar or the neck / bridge combination on a humbucker-loaded guitar will deliver the warmest tones.

### Brit Crunch

Here the advantage of the separate Gain and Volume controls really come into play. Notice how the Gain is quite low but the Volume is quite high. This is the way the old Marshall crunch sounds of the late 60's and 70's were created - namely by keeping the preamp pretty clean and creating the desired distortion by driving the power stage hard. With such a setting, when you back off the guitar's Volume or pick less heavily, you will feel and hear how the rich, clear tone of the clean sound remains.

### MV Crunch


This crunch is reminiscent of the first Marshall Master Volume amplifiers of the much heralded JCM800 series. The Valve Drive Preamp is driven into mild saturation, creating a big, open overdrive using the bridge position pick-up, whether single-coil or humbucker.

### Screaming Lead

Here the Gain is cranked to the max and the Mids are brought up to fatten the tone of the single notes. With these settings the rich, natural harmonic overtones that the valve introduces will be very apparent. Best with the bridge pickup.

### Heavy, Modern Crunch

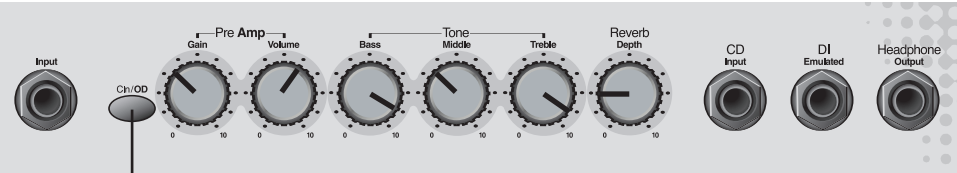
Cutting the Mids while heavily boosting the Gain, Treble and Bass gives an aggressive, modern 'tear-er-face-off', scooped sound. The bridge humbucker is the one to use here if you truly wanna ride the lightning... definitely not for the faint-hearted!

**EUROPE ONLY**  - Note: This equipment has been tested and found to comply with the requirements of the EMC Directive (Environments E1, E2 and E3 EN 55103-1/2) and the Low Voltage Directive in the E.U.

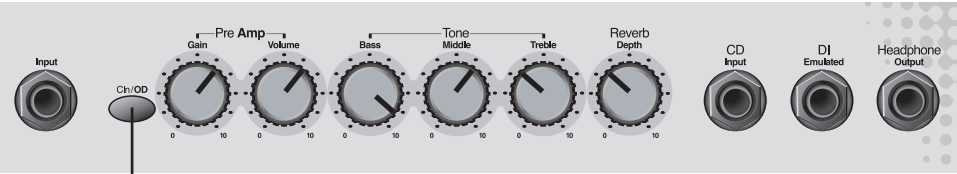
**EUROPE ONLY - Note:** The Peak Inrush current for the AVT20X is 3 amps.  
The Peak Inrush current for the AVT50X is 10 amps.

**Follow all instructions and heed all warnings  
KEEP THESE INSTRUCTIONS !**

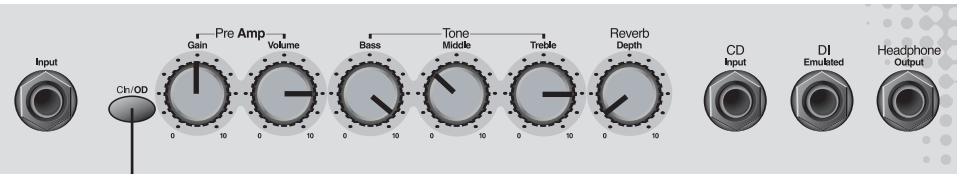
AVT20X Suggested Settings



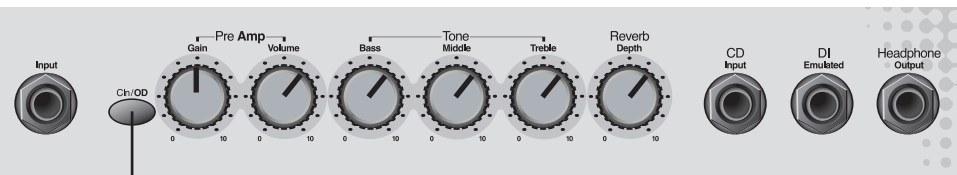
Funky Clean



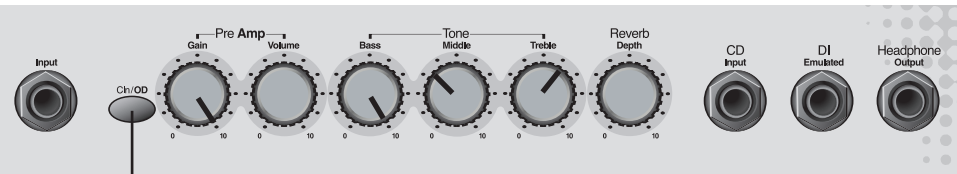
Blues Clean



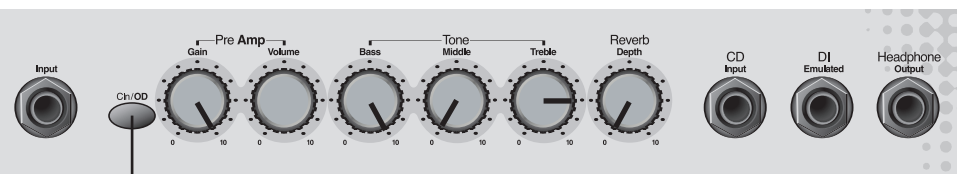
Brit Crunch



MV Crunch

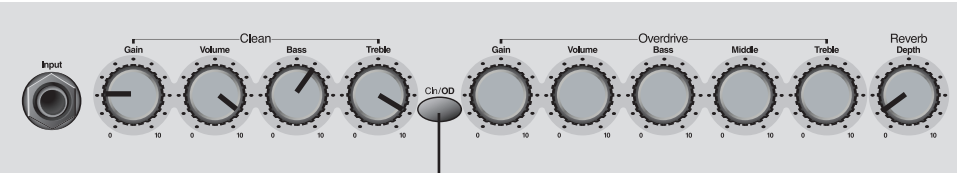


Screaming Lead

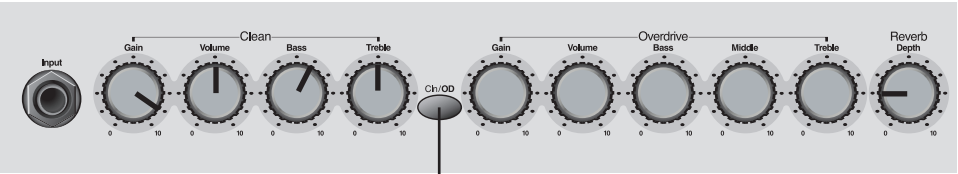


Heavy Crunch

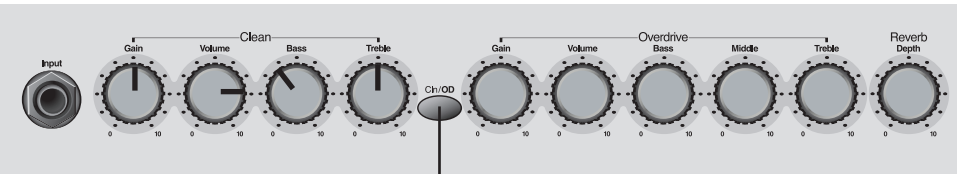
AVT50X Suggested Settings



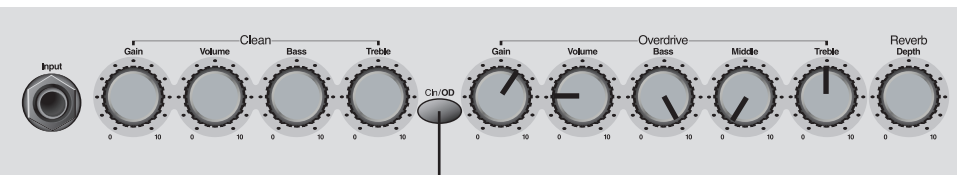
Funky Clean



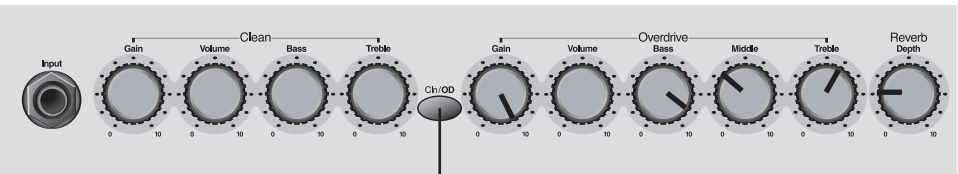
Blues Clean



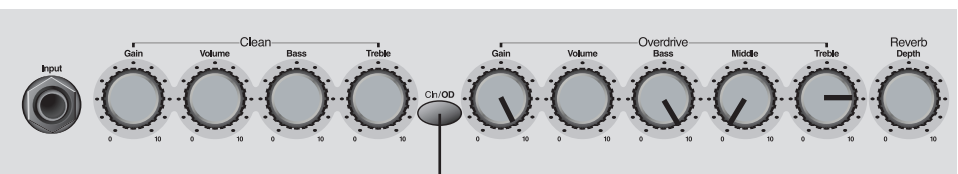
Brit Crunch



MV Crunch



Screaming Lead



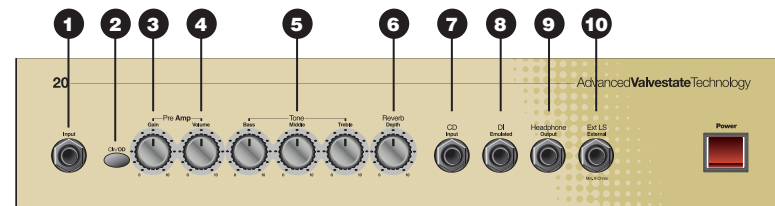
Heavy Crunch

	AVT20X	AVT50X & AVT50HX	
<b>Power Output</b>	<b>20W RMS into 8Ω</b>	<b>50W RMS into 4Ω</b>	
Potencia de salida	20W RMS sobre 8Ω	50W RMS sobre 4Ω	
Ausgangsleistung	20W RMS an 8Ω	50W RMS an 4Ω	
Puissance de sortie	20W RMS sous 8 ohms	50W RMS sous 4 ohms	
<b>パワー出力</b>	<b>20W RMS / 8 Ω 接続</b>	<b>50W RMS / 4 Ω 接続</b>	
<b>Main Guitar • Input Impedance</b>	<b>1MΩ</b>	<b>1MΩ</b>	
Impedancia de entrada principal de guitarra	1MΩ	1MΩ	
Guitar • Input Eingangsimpedanz	1MΩ	1MΩ	
Impédance d'entrée	1MΩ	1MΩ	
<b>メインギター・入カインピーダンス</b>	<b>1MΩ</b>	<b>1MΩ</b>	
<b>CD Input • Input impedance</b>	<b>10KΩ</b>	<b>47KΩ</b>	
Impedancia de entrada de CD	10KΩ	47KΩ	
CD Input • Eingangsimpedanz	10KΩ	47KΩ	
Impédance d'entrée CD	10KΩ	47KΩ	
<b>CD入力・入カインピーダンス</b>	<b>10KΩ</b>	<b>47KΩ</b>	
<b>Emulated Output • Level</b>	<b>-10dBV * see note 1</b>	<b>-10dBV * see note 1</b>	
Nivel de salida de línea simulada	-10dBV * ver nota 1	-10dBV * ver nota 1	
Emulated Output • Ausgangspegel	-10dBV * siehe Hinweis 1	-10dBV * siehe Hinweis 1	
Niveau de sortie	-10dBV voir note 1	-10dBV voir note 1	
<b>エミュレート出力・レベル</b>	<b>-10dBV * 注1 参照</b>	<b>-10dBV * 注1 参照</b>	
<b>FX Send • Level</b>	<b>—</b>	<b>+4dBV * see note 2</b>	
Nivel de envío FX	—	+4dBV * ver nota 2	
FX Send • Ausgangspegel	—	+4dBV * siehe Hinweis 2	
Niveau de sortie d'effet	—	+4dBV * voir note 2	
<b>エフェクトセンド・レベル</b>	<b>—</b>	<b>+4dBV * 注2 参照</b>	
<b>Weight</b>	<b>14.2kg</b>	<b>18.6kg</b>	<b>12.4kg</b>
Peso	14.2kg	18.6kg	12.4kg
Gewicht	14.2kg	18.6kg	12.4kg
Poids	14.2kg	18.6kg	12.4kg
<b>重量</b>	<b>14.2kg</b>	<b>18.6kg</b>	<b>12.4kg</b>
<b>Size (mm)</b>	<b>480 x 465 x 270</b>	<b>515 x 554 x 259</b>	<b>674 x 250 x 254</b>
Tamaño (mm)	480 x 465 x 270	515 x 554 x 259	674 x 250 x 254
Maße (mm)	480 x 465 x 270	515 x 554 x 259	674 x 250 x 254
Taille (mm)	480 x 465 x 270	515 x 554 x 259	674 x 250 x 254
<b>サイズ</b>	<b>480 x 465 x 270</b>	<b>515 x 554 x 259</b>	<b>674 x 250 x 254</b>
<b>Internal Speaker • Custom Celestion</b>	<b>30W/10" (8Ω)</b>	<b>50W/12" (4Ω)</b>	<b>None</b>
Altavoz interno • Celestion custom	30W/10" (8Ω)	50W/12" (4Ω)	—
Interer • Custom Celestion Lautsprecher	30W/10" (8Ω)	50W/12" (4Ω)	—
Haut-parleur interne (custom Celestion)	30W/10" (8Ω)	50W/12" (4Ω)	—
<b>内蔵スピーカー・カスタムCelestion</b>	<b>30W/10" (8Ω)</b>	<b>50W/12" (4Ω)</b>	<b>なし</b>
<b>Valve</b>	<b>1 x ECC83 (Dual Triode)</b>	<b>1 x ECC83 (Dual Triode)</b>	
Válvula	1 x ECC83 (Triodo doble)	1 x ECC83 (Triodo doble)	
Röhre	1 x ECC83 (Dual Triode)	1 x ECC83 (Dual Triode)	
Lampe	1 x ECC83 (double triode)	1 x ECC83 (double triode)	
<b>ハルブ</b>	<b>1 x ECC83(デュアル・トライオード)</b>	<b>1 x ECC83(デュアル・トライオード)</b>	

\* **Note 1:** Recommended for connection to inputs with input impedance >20KΩ  
 \* **Nota 1:** Se recomienda conectar a entradas con impedancia superior a 20KΩ  
 \* **Hinweis 1:** Empfohlen für Inputs mit eine Eingangsimpedanz >20KΩ  
 \* **Note 1:** Recommandée pour une impédance d'entrée supérieure à 20KΩ  
 \* **注1:** 接続する入力の推奨インピーダンス >20kΩ

\* **Note 2:** Recommended for use with line level equipment (i.e. rack processor etc.)  
 \* **Nota 2:** Se recomienda utilizar con equipo con nivel nominal de línea ( como procesadores de rack, etc...)  
 \* **Hinweis 2:** Empfohlen für die Benutzung mit Equipment auf Linepegel (z.B.Studioeffektgeräte etc.)  
 \* **Note 2:** Recommandée pour des niveaux de ligne de type processeur d'effets en rack.  
 \* **注2:** 接続機器 (ラックプロセッサーなど) の推奨ラインレベル

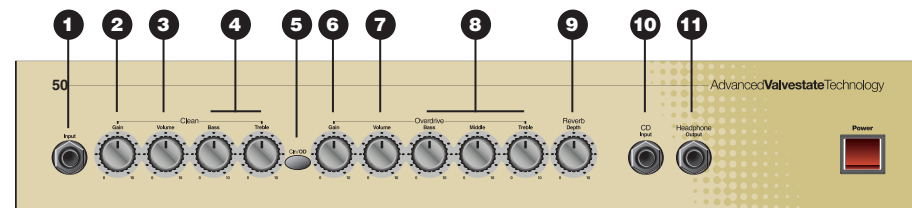
## AVT20X 1x10" Combo Front Panel Features



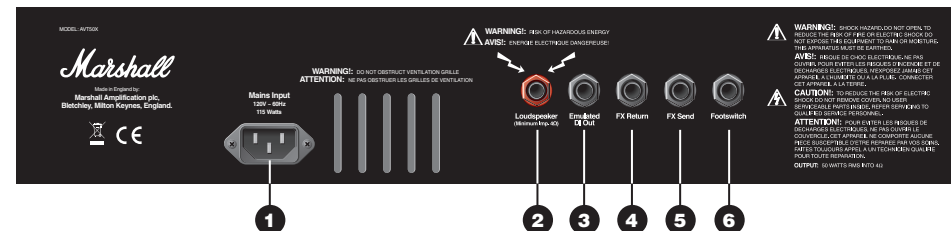
## AVT20X 1x10" Combo Rear Panel Features



## AVT50X 1x12" Combo & AVT50HX Head Front Panel Features



## AVT50X 1x12" Combo Rear Panel Features



## AVT50HX Head Rear Panel Features

