

VHT Special 6 Ultra Head and Combo Control Panel Overview

Is the customer familiar with the standard **VHT Special 6**? The features of the standard Special 6 include:

- ⤴ Class A, single ended tube amplifier, with tube driven preamp and power amp sections
- ⤴ Traditional single ended tube amp controls – 1 volume, 1 tone

Added features above many other amplifiers:

- ⤴ push/pull gain boost on volume knob
 - **footswitchable for live “lead” playing**
- ⤴ hi and lo inputs depending on level of drive desired
- ⤴ hi power switch
 - pentode mode, full 6 Watts going through the power section of the amp
- ⤴ lo power switch
 - **triode mode, approximately 3.3 Watts going through power section of the amp**
 - preamp section is unaffected by the hi/lo power switch, so your tone is still what you want from the volume/tone controls!
- ⤴ **3 speaker output options, very versatile for any type of speaker cabinet that you may want**

The **VHT Special 6 Ultra** is based on that same platform, as above. You have already been successful selling the standard Special 6, so now customers will be wanting to step up to the **VHT Special 6 Ultra!!!**

Added features of the Special 6 Ultra:

- ⤴ The “clean” input jack operates just like the signal path of the standard Special 6. **The ULTRA channel input routs the signal through an extra gain stage**
 - uses an additional 12AX7 preamp tube
 - **provides a way more “crunchier” sound**
 - **functions like a built in tube overdrive pedal!**



- ⤴ **“Texture” control changes the high frequency eq by “rolling off” the high frequencies**
 - “0” position = no roll off, signal is unaffected
 - “1” position = minor roll off – the high frequency signal is moved slightly to the left on an eq curve

- “II” position = maximum roll off – the high frequency signal is moved further to the left on an eq curve
- this is especially useful for single coil or lead playing where the high frequencies are too sharp or “biting.” **Simply increase the texture button to “I” or “II” positions to sweeten the tone**



✦ **“Depth” knob is an 11-position knob that affects the low frequencies by creating the same “roll off” effect but in the lower frequency range**

- this is a “low cut” or “hi pass” filter
- works best in Clean channel
- As the knob is turned towards the “10” position, more bass frequencies are in the signal
- A single coil guitar (strat) will need more bass, a higher position on the Depth knob may be appropriate
- A humbucker guitar (les paul) will need less bass, a lower position on the Depth knob may be appropriate



✦ **“Watts” control lowers the voltage to the output tube**

- this is similar to the hi/lo power switch on the standby control, but with much more variable control
- turning the Watts control down decreases the voltage in the output tube
- **suitable for bedroom playing**
- **for recording, can create ideal 'natural compression' sounds with the signal having very little headroom**
- the preamp stage is not affected by this control, so the tone you have dialed in from the other controls is still present



- ✦ **tube buffered effects loop**
- ✦ **line out from preamp for PA or other situations**
- ✦ **in the combo version, the “speaker out” jack still sends a signal to the combo's 1x12” speaker. So adding an additional 1x12” speaker enclosure creates the ideal 2 x 12” mini-stack!!**