(16) Copy
Seleting this button will bring up the channel copy menu. A quick and easy way to copy channel presets from one channel to another.

(17) EFX
This button serves as a shortcut directly to the on-board built in digital effects. Pressing this button will bring up the effects menu.

(18) Parameter
This jog wheel is designed to control almost any parameter selected on the main screen. Using this larger wheel allows the user to "fine-tune" the selected parameter. This control also serves to select the tempo of the Delay effect. Commonly referred to as "Tap Tempo." While the delay function is in use, press the control three times to the tempo of the music and it will set the delay.

(19) LED Meter
Individual channel signal present, level, and clip indicators.

(20) Channel Select Buttons
These buttons select the channels viewed on the main screen. For example when "1-8" is selected it will backlight and the main screen will show the overview of channels 1 through 8. Note the Faders and Channel Strip below the channel on the main view screen will always correspond to the channel over view on the screen above. Available selections are "1-8, 9-16, and ST IN" ST IN will bring up the Stereo Channel view screen including the Bluetooth input.

(21) Headphone Jack
1/4" Headphone jack.

(22) Heaphone Volume
This knob controls the overall volume of the heaphone output.

(23) DCA
Digitally Controlled Amplifier.   Pressing this button brings you to the DCA display screen. Here you will be allowed to make up to 4 groups comprised of inputs or outputs and control the volume of the group without sacrificing a BUS (Aux send). This is a great way to put a simple control system together to allow users that are not familiar with digital consoles the ability to easily adjust the mix.

(20) BUS
There are 8 bus sends on the Aureus console. Pressing this button will allow you to view the overall Bus Channel view, and individually adjust the mix of the main bus outputs.

1 WIFI Control
This is the attachment point for the included WIFI antenna.

2 Power Switch
Overall mixer power switch, on/off.

3 Power Supply Connection
Attach the included power supply connection here.

4 Main and Aux (Bus) Outputs
XLR Connections labeled 1-8 are the XLR outputs associated with BUS groups 1-8 onboard the mixer. LR MAIN output XLRs are the Master output for the console and are associated with MAIN L/R output channel group.

5 Control Room Outputs
These L/R outputs mirror the MAIN L/R output and perfect for powered reference monitors.

6 AES/EBU
Digital stereo ouput that can send either Bus 7&8 or MAIN L/R out, selectable in the MENU screen.

7 1/4" Footswitch Jack
Adding a 1/4" momentary footswitch allows you to mute or unmute the on-board digital effects.

8 Ethernet Port
Use this port to connect the console to a network for control, this port can be used in conjunction with WIFI.

9 USB
Digital stero I/O for connection to external computers for playback and record.

(10) RCA Stereo Input
RCA inputs designed for devices that have RCA outputs, such as DJ Mixers, turntables, and CD players. This stereo input can be accessed via the Stereo Screen by pressing "ST IN."

(11) 1/4" Balanced Stereo Inputs
Designed for devices with stereo outputs such as keyboards. These stereo inputs can be accessed via the Stereo Screen by pressing "ST IN."

(12) XLR Combination inputs
These inputs are associated with the channels labeled on the back and can accept either 1/4" balanced input or an XLR inputs. These channels are accessed by pressing the associated layer "1-8," or "9-16."
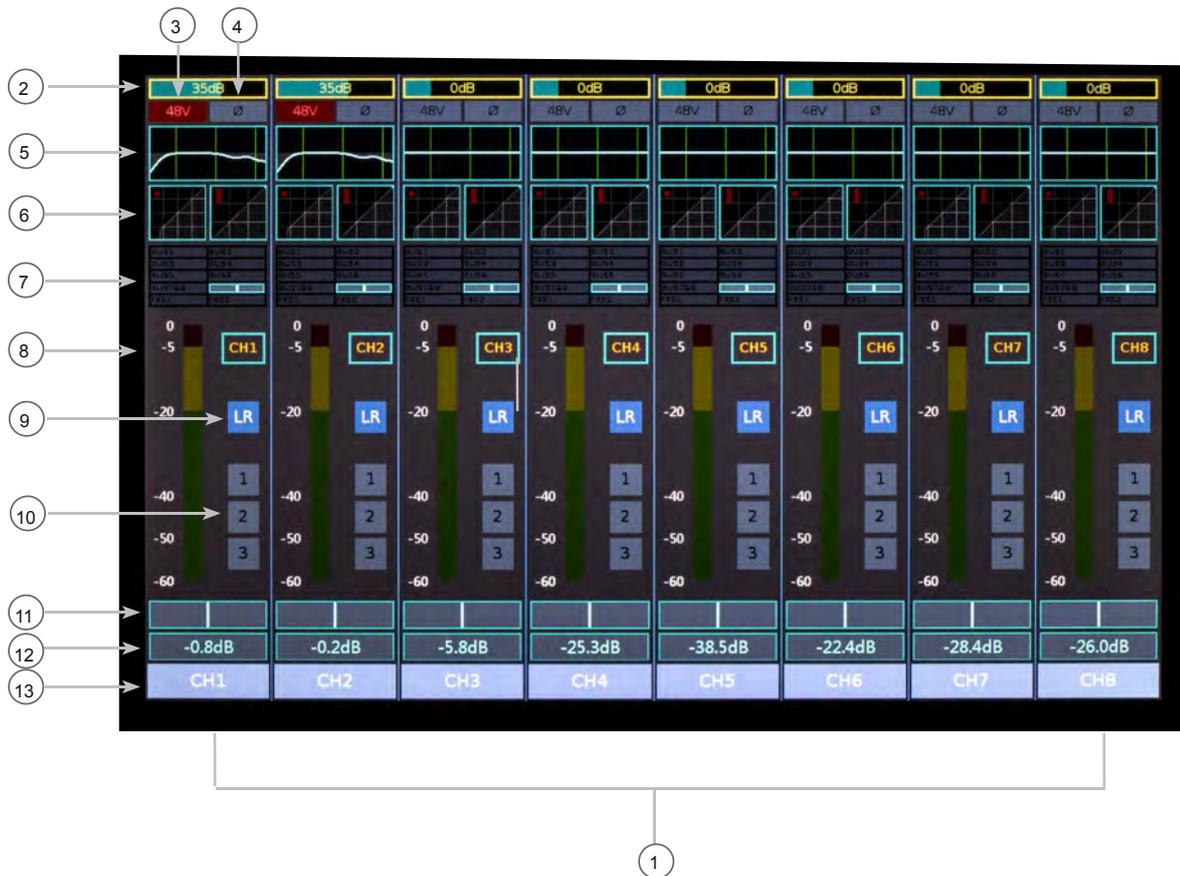
1 Home - Main Channel View

When selecting the HOME button the mixer will display the first group of the 5 possible channel layers. The first group represents channels 1 through 8. Each of the channels corresponds with the push en-coder , fader, SEL, SOLO, and MUTE controls directly below the channel "strip." Creating a combination of physical and virtual controls. The main view area is multi-touch, almost any control, or sub-menu can be selected by touching the item on the screen.

2 Input Gain Level (Trim)

This section indicated the amoung of input gain added or subtracted to the selected channel. The range is -20dB to +70dB. The adjustment can be made immediately by pushing the phyical encoder located directly below the channel. Pushing this control will highlight either the PAN control, or the INPUT GAIN. Once Input Gain is highlighted, rotate the knob to the desired level. Input gain is critcal in reducing noise and distortion in the system. Too much gain will "Clip" the system causing distortion in the channel. This will be indicated by the red PEAK light directly below the encoder. Too litte input gain can effect the signal-to-noise ratio and channel noise can be a problem when trying to establish the desired mix.

3 48V Phantom Power

Some microphone require external power. The Aureus mixer is capable of providing 48volts of phatom power to each of the micriphone inputs. When 48volts is present on the channel this indicator will il-luminate in red. Phanton power can cause unwated noise when engaged on channels that do not require phantom power, in most cases this feature will be in the off position.

4 Polarity

In some occassions it may be desireable to reverse the polarity of the input signal. When this feature is selected the display will indicate it in blue.

(5) Graphic EQ
This section of the display represents the EQ curve being applied to the channel. Touching this area of the display will active the EQ screen associated with that channel.

(6) Compressor / Gate
The two smaller boxes directly below the EQ curve represent the Compressor and Gate functions. These windows will be highlighed when on, and display a curve of the corresponding settings. Touching either the Compressor or Gate window will take you directly to the selected function to make adjustments inside the channel screen.

(7) Signal Path Overview
This section of the screen displays the level of the signal from that channel being sent to other BUS or FX sends. Press and hold this section of the display and it will enlarge allowing the use a quick overview of the channels signal paths and relative levels.

(8) Channel Level Meter
This meter indicates the post fader level of the channel.

(9) LR Assign
LR will be highlighted in Blue of the channel has been assigned to the master LR output.

(10) Mute Group Assignment
1-3 will be highlighted in red if the channel is associated with one of the three mute groups. This does indicate the channel is muted, only that it has been assigned to one or more of three mute groups. These groups are associated with the physical Mute Group buttons located on the left hand side of the fader bank.

(11) PAN
Pushing the soft encoder located directly below the channel strip with selecte either the INPUT GAIN or the PAN Control. Once the Pan control is highlighted turn the control left or right to pan. Pan will send more of that channel to the left main bus or right main bus depending on which was the kbon is turned. Normally this control is set to the center position.

(12) Fader Gain Indicator
Indicates the gain increase or decrease associated with the level of the physical fader.

(13) Channel Name
This is the user assigned name of the channel. NOTE: Channel number will always be indicated in the center of the channel strip, and that number will correspond with the input on the rear of the console, and cannot be changed. However channel name can be assigned in the Channel view screen.

1   Mic Gain Level (Trim)
This section indicates the amount of input gain added or subtracted to the selected channel. The range is -20dB to +70dB. The adjustment can be made immediately by rotating the physical encoder located directly to the left of the control.   Input gain is critcal in reducing noise and distortion in the system. Too much gain will "Clip" the system causing distortion in the channel. This will be indicated by the red PEAK light directly below the encoder. Too litte input gain can effect the signal-to-noise ratio and channel noise can be a problem when trying to establish the desired mix.

2   Polarity
In some occassions it may be desireable to reverse the polarity of the input signal. When this feature is selected the display will indicate it in blue.

3   Link
Links two adjacent channels together and automatically pans them left and right.   This function will link the faders as well. This allows the same setting for adjacent channels great for stereo devices.

4   Low Cut
Controlled by the soft encoder immediately to the left. This controls the amount of low frequecy signal ommited from the mix. In most cases this should be on for any instrument or microphone who's source does not naturally produce those frequencies.   Pressing the soft encoder will turn the filter on and off, while rotating it will change the cut-off frequency. Frequencies above the cut-off point will be allowed to pass while frequencies below the assigned value will be omitted from the mix. Touch the Low Cut window and the main screen will display the full EQ section, allowing complete control over all of the parameters of the EQ for the selected channel.

5   Gate
Controlled by the soft encoder immediately to the left. This window is a graphical representation of the Gate function. The encoder to the left controls the threshold of the gate when active. To turn the gate on and off simply press the encoder. Touch the gate window on the screen and it will bring up the Gate window and allow full access to all Gate parameters.

6   Compressor

This window is a graphically representation of the compressor function. Controlled by the encoder directly to the left, the encoder allows the user to adjust the threshold of the compressor by rotating it, or to turn it on and off by pressing the encoder. Touching the windo on the screen will open the main compressor view, and allow adjustment to all functions of the compressor.

7   Reset

Touching the Reset soft button will reset the channel to flat. This will remove all current settings, please save your presets before proceeding.

8   48V Phantom Power

Some microphone require external power. The Aureus mixer is capable of providing 48volts of phatom power to each of the micriphone inputs. When 48volts is present on the channel this indicator will illuminate in red. Phanton power can cause unwated noise when engaged on channels that do not require phantom power, in most cases this feature will be in the off position.

9   Channel

This soft button, when pressed, allows user to return to the main channel view, associated with the selected channel.

10   EQ

Pressing this soft button will active the EQ menu, and allow full access to the EQ for the selected channel.

11   Channel Name

Select here to modify the name or color of the channel. Colors are useful for creating visual groups.

12   Gate

Pressing this soft button will active the Gate menu, and allow full access to the gate for the selected channel.

13   Comp

Pressing this soft button will active the compressor menu, and allow full access to the compressor for the selected channel.

14   Back

Pressing back will return the mixer to Main Channel View, this is the same as pressing the Home physical button to the right of the main view screen, except the Home button will default to show channels 1 through 8 while that Back soft button will exit to the channel group associated with the selected channel. For instance: If the use is in Channel View for channel 9, pressing the back button will exit to the Main Channel view displaying channels 9 through 16.

15   Preset

This soft button will bring up the Preset Menu allowing the user the ability to select, and store various channel presets creating an easy and quick way to get started.

16   Channel Number

This channel number is associated with the physical output on the mixer and unlike the Channel Name is not adjustable.

17   PAN

Pushing the soft encoder located directly below the channel strip with selecte either the INPUT GAIN or the PAN Control. Once the Pan control is highlighted turn the control left or right to pan. Pan will send more of that channel to the left main bus or right main bus depending on which was the kbon is turned. Normally this control is set to the center position.

18 Mute Group Assignment
1-3 will be highlighted in red if the channel is associated with one of the three mute groups. This does indicate the channel is muted, only that it has been assigned to one or more of three mute groups. These groups are associated with the physical Mute Group buttons located on the left hand side of the fader bank. These are all soft buttons, to active or deactive a mute group, simply press.

19 LR
This soft button assigns the channel to the main LR mix. Blue indicated the channel is being sent to the main output, gray indicates it is not.

20 FXS
These virtual faders indicate the amount of signal being sent to the effects engines. The soft buttons directly below the label assign the send PRE (PFL) or After (ALF) fader. Pre fader will send the signal to the bus regardless of the postition of the physical channel fader, this is usually used for monitors sends. After fader will send the signal to the bus after the physical fader, therefor if the channel fader is off, no signal will be sent to the effects bus. Below the FXS virtual faders is a soft button labeled "FXS1-2." This button is a "fader flip" and will allow use of the physical faders to control the function.

21 BUS Sends
The Aureus mixer contains 8 BUS groups or sends. In many cases these are referred to as AUX sends. These virtual faders determine the amount of signal sent to that bus (output). Like the effects virtual faders these are assignable Pre Fade and After Fader, by selecting the soft button located below the BUS label. Below the virtual bus faders is a soft button labeled "BUS1-8." This button is a "fader flip" and will allow use of the physical faders to control the function. Like channels, bus sends can be linked.

22 Channel Gain
This indicator represents the vallue associated with the position of the physical fader.

23 Channel Name
This is the name that can be assigned to the channel. The default is the channel number. Touch the name to change.

24 EQ Type
This displays the type of EQ currently selected.

25 Frequency
This displays the frequency being adjusted, the physical encoder located directly below controls the function. Rotate the encoder to change the frequency, press the encoder to turn on and off the EQ filter.

26 Cut/Boost
The amound in dB of cut or boost associated with the selected frequency. This function is controlled by the physical encoder directly below the display. Rotate the encoder to adjust, press the encoder to engage or disengage the filter.

27 Low
Indicating the section controlling low frequencies

28 EQ Type
This displayes the type of EQ currently selected.

29 Frequency
This displays the frequency being adjusted, the physical encoder located directly below controls the function. Rotate the encoder to change the frequency, press the encoder to turn on and off the EQ filter.

(30) **Q**
The bandwidth surrounding the frequecy being adjusted. To adjust, highlight the control by touching the scdreen and then use the Parameter adjustment wheel found beside the lower right hand corner of the screen.

(31) **Cut/Boost**
The amound in dB of cut or boost associated with the selected frequency. This function is controlled by the physical encoder directly below the display. Rotate the encoder to adjust, press the encoder to engage or disengage the filter.

(32) **LoMid**
Eq associated with LoMid frequenices

(33) **EQ Type**
This displayes the type of EQ currently selected.

(34) **Frequency**
This displays the frequency being adjusted, the physical encoder located directly below controls the function. Rotate the encoder to change the frequency, press the encoder to turn on and off the EQ filter.

(35) **Q**
The bandwidth surrounding the frequecy being adjusted. To adjust, highlight the control by touching the scdreen and then use the Parameter adjustment wheel found beside the lower right hand corner of the screen.

(36) **Cut/Boost**
The amound in dB of cut or boost associated with the selected frequency. This function is controlled by the physical encoder directly below the display. Rotate the encoder to adjust, press the encoder to engage or disengage the filter.

(37) **HiMid**
Eq associated with HiMid frequenices

(38) **EQ Type**
This displays the type of EQ currently selected.

(39) **Frequency**
This displays the frequency being adjusted, the physical encoder located directly below controls the function. Rotate the encoder to change the frequency, press the encoder to turn on and off the EQ filter.

(40) **Cut/Boost**
The amound in dB of cut or boost associated with the selected frequency. This function is controlled by the physical encoder directly below the display. Rotate the encoder to adjust, press the encoder to engage or disengage the filter.

(41) **High**
EQ associated with high frequecies.

Hardware parameters		Software parameters	
Input channels	28 channel input: 16 MIC channel, 3 stereo channel, 2 digital stereo, 1 bluetooth stereo	Processor	2 independent effects channel
			FX type： 20 adjustable effects
Output channels	14 output channel: main output L/R, 8 BUS output, Monitor output L/R, Headphone output L/R	Threshold	Threshold： -80~0dB
Record interface	2 Channel USB-A flash disk record storage		Attenuation： -80~0dB
	2 Channel USB-B sound card		Attack： 1ms~120ms
Input Gain	MIC GAIN-20~+70, LINE GAIN -20~+20		Release： 10ms~4000ms
Input and output impedance	MIC/LINE input :5kΩ		Hold： 1ms~2000ms
	Output: 200Ω	Compressor	Threshold： -60dB~+0dB
Frequency response	20Hz~20kHz：+/-0.5dB		Ratio： 1:1~1000:1
THD+N	-20dBFS @ 1kHz：＜0.01％		Attack： 1ms~120ms
Noise	-20/20k band-pass:-85dBu		Release： 10ms~4000ms
	Noise level (A weighting): -88 dBu		Hold： 1ms~2000ms
Dynamic range	-107dB		Makeup Gain： -20dB~+20dB
Crosstalk	Isolation between channels（+4dBu 1k）：-96dB		soft point controlled
Phase displacement	Phase difference between channels（+4dBu 1k）：＜0.1°	Channel equalizer	4 band PEQ
Equivalent noise	-122dBu		Each frequency band: 20Hz~20kHz
Delay	< 3ms		Q： 0.05~15
Sampling rate	48K		Gain:-20dB~+20dB
USB-A	USB 2.0, FAT32		Type can be selected: PEQ, HPF, LPF, HSF, LSF
	Supportive files WAV,MP3	Channel filter	HPF： 20Hz~20kHz
	500mA Maximum current 500mA		LPH： 20Hz~20kHz
USB-B	USB 1.1, Stereo in/out Sample Rate： 44.1KHz、48KHz	parameter Equalizer	±15dB 31 band GEQ,20Hz~20kHz
Bluetooth	Bluetooth 5.0， Sampling rate： 96KHz	DCA and Mute Groups	4 DCA
	Radiant Power： +15dBm Acceptance distance>=50M		3 programmable mute groups, + 1 effect mute, + 1 output mute
Phantom power	+48V		
Power supply	Power consumption <65W		
	Voltage range: 100~240VAC universal power supply		
	AC frequency： 47~63Hz		
Operating range	Temperature range： -20℃~55℃		

FCC CAUTION:

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.

Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

Note: This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

The equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment,

This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

The equipment should be installed and operated with minimum distance 20cm between the radiator and your body.

IC WARNING:

This device complies with Industry Canada licence-exempt RSS standard(s). Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device.

Le présent appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes : (1) l'appareil ne doit pas produire de brouillage, et (2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

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

the device is compliance with RF exposure guidelines, and the equipment should be installed and operated with minimum distance 5cm between the radiator and your body.

l'appareil est conforme aux directives d'exposition RF, et l'équipement doit être installé et exploité avec une distance minimale de 20 cm entre le radiateur et votre corps.