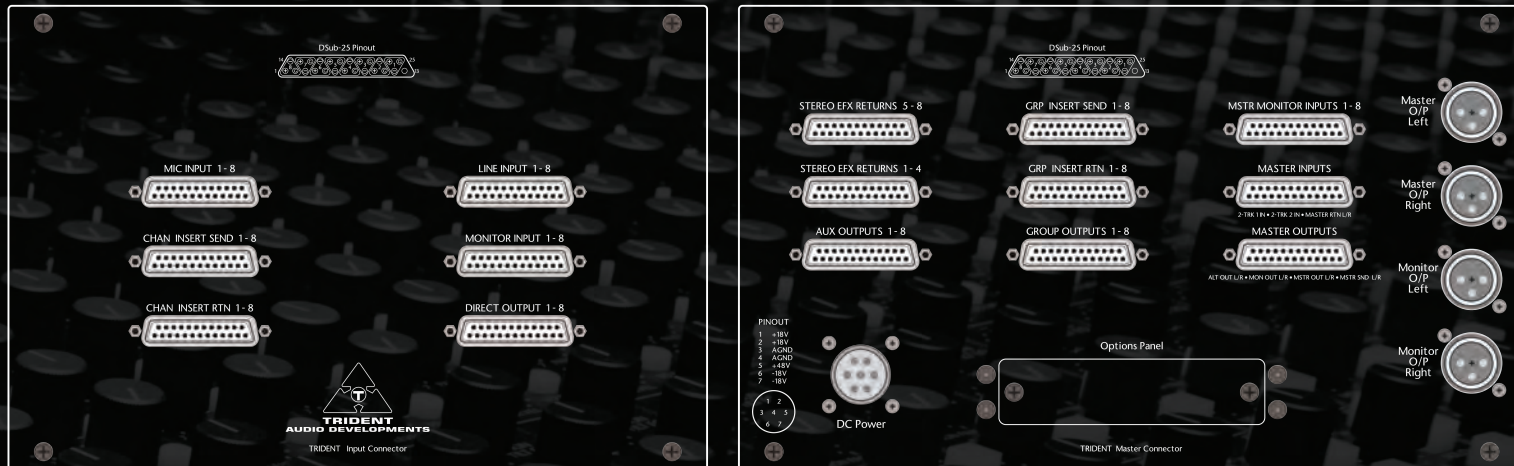


Trident 68 Connections



The Trident Series 68 utilizes DB-25 connections for fast and easy configuration on the majority of the console inputs and outputs.

Trident 68 Specifications

Input Impedance

Microphone: >2KΩ electronically balanced
Line: >10KΩ electronically balanced

Output Impedance

Left/Right, Monitor O/P, Group & Auxes <50Ω
All other Outputs <100Ω

Frequency Response

Mic Input to Mix Output <+0, -0.3dB 10Hz to 55KHz @ 6-60 dB gain.
Line Input to Mix Output <0, -0.3dB <100Hz to 60KHz @ 0 dB gain.

Distortion/Noise (T.H.D +Noise) at +15dBu Output

Mic XLR Input to any Output (-20dBu input) <0.003%
Line Input to any Output <0.003%
Monitor/Tape Return Input to any Output <0.003%

Noise

Mic EIN (20-20KHz, 150Ω source, 60dB gain) <-128 dBu
Stereo residual Bus Noise (Output fader at min) <-95 dBu
Stereo Bus Noise (40 inputs continually assigned) <-80 dBu
(24 Input Mon/Tape Returns, 8 Stereo EFX Returns and 8 Master Tape Returns)

Bus Noise (24 inputs routed equiv. to 72 Inputs) <-75 dBu

Crosstalk

Adjacent Channel: < -90dB (@20KHz)
<-110dB (@1KHz)
Channel Fader Mute <-100dB (20Hz to 20KHz)
Monitor/Tape Return Mute <-85dB (20Hz to 20KHz)
Mix/Bus Assign <-80dB (20Hz to 20KHz)
Aux to Aux <-75dB (20Hz to 20KHz)

Maximum Input

Mic (XLR) Input (at min gain +10dB) +10dBu
Line (at min gain -15dB) +37dBu
All Monitor Returns +22dBu
All Insert Returns +22dBu

Maximum Output

Mix, Group, Aux, Monitor Outputs +26.5dBu (Into 600Ω)
Channel Send/Direct Out +22dBu (Into 2KΩ)

Phase

Mic Input to Direct Out +20° to -1° 20Hz to 20KHz
Mic In to Mix Output +23° to -12° 20Hz to 20KHz
Line In to Mix Output +13° to -15° 20Hz to 20KHz
Monitor/Tape Return to Mix Output +8° to -12° 20Hz to 20KHz

Trident 68 Dimensions

	Width	Depth	Height
16 Channel:	33.37" (84.759cm)	28.750" (73.025cm)	12.293" (31.224cm)
24 Channel:	43.37" (110.159cm)	28.750" (73.025cm)	12.293" (31.224cm)

Module width

Input Module (8 Channels):	9.980" (25.350cm)
Master Module:	1.230" (3.124cm)
Group Module (8 Channels):	9.980" (25.350cm)



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68 Console

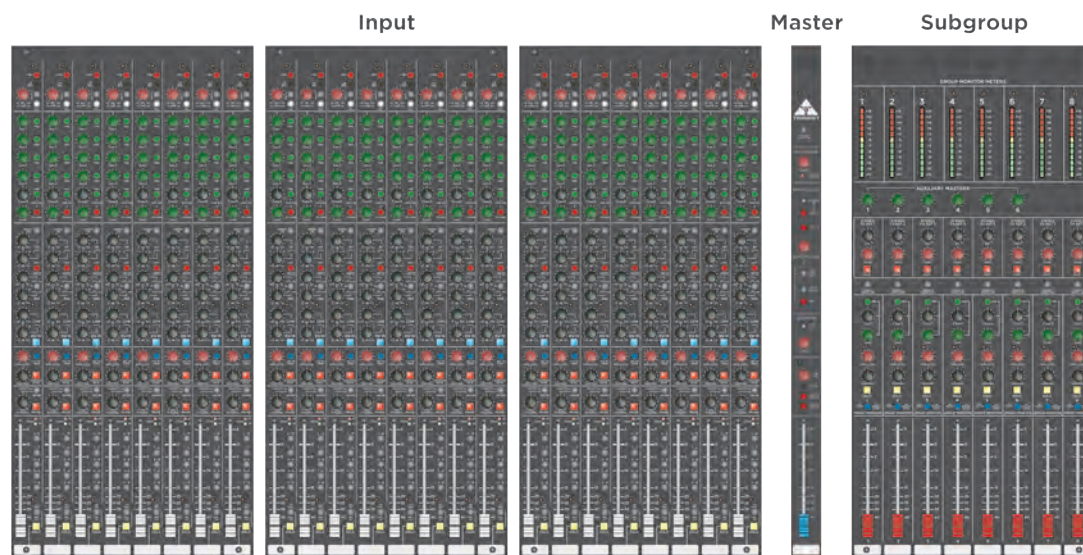


Trident 68

Trident 68 Console 16 & 24 channels

Introducing the new Trident 68 analog console, a console which provides a new entry point to the much loved and revered Trident console range. The 68 has been designed with the quality and reliability you would expect from a Trident and the heritage of its predecessors. With a versatile feature set and 3 band EQ at the center of it all, the Trident 68 will bring an ease of use and all the advantages of an analog work surface to your studio, improving your workflow significantly.

Designed to provide the most features in a compact frame size, the 68 uses individual channels mounted in groupings of 8 for the inputs and splits the stereo master from the subgroups. This construction helps with ease of service over the life of the console, ensuring that it will last for decades to come. The Trident 68's ease of use is purposeful, from utilizing DB25 connections for studio cost savings and convenience, to keeping the most used features all within easy reach of your fingertips. Making the Trident 68' the most effective option for personal studios, education facilities and everything between.



- All Input Channels are individual boards, faders included, each in an 8 channel pack.
- All Subgroups are individual boards, faders included, each in an 8 channel pack
- The Master Channel is an individual channel separated from all others.

Modularity Throughout

Incorporating a similar chassis design and LED meter bridge as on the Trident 78 and 88, the 68's have a rugged and proven core.

The 68's new semi-modular design provides easy access to the console, in turn making future service quick and simple. The 68's are designed for longevity and reliability in all applications.

Split/Inline Console

Since the inception of this configuration by Trident Audio on the A-Range console in the late 1960's it has been adopted throughout the industry and remains a standard configuration for our consoles today.

- Dual inputs to the Channels with Line and Monitor inputs
- 3 Band EQ with shelving, HIGH and LOW bands and peaking MID band with two bandwidth settings.
- 27dB of headroom
- Channel inserts
- Selectable EQ path



Microphone Preamp

The 68's incorporate a new high-quality wide bandwidth preamp design. These preamps have lots of headroom with very low noise, low distortion, a high slew rate, and high gain fully capable of driving ribbon microphones.

- 65dB Gain preamp
- Balanced inputs
- Balanced inserts with full bypass
- Input Reverse Switch
- Mic/Line Switch
- Phantom Power Switch

Flexible EQ

An all-new Trident 3 Band EQ, derived from the classic Series 80 console, with overlapping frequency ranges is provided along with a switchable high pass filter. The HIGH and LOW sections of the equalizer have a shelving response and the MID has a peaking (bell) response with two selectable bandwidth settings.

- Sweepable shelving HIGH band
- Sweepable peaking MID
- Sweepable shelving LOW band
- 50Hz High Pass Filter (18dB/Octave)
- Selectable bandwidth between 1 & 1/3rd octave
- Selectable Channel insert



Master Section

The master section of the 68's are laid out for ease of use and have all the necessary features to manage your monitors, talkback, and stereo returns. The 68's Master channel is an independent module from the rest of console. This ensures that your console's master output functions can be easily and quickly serviced with little or no downtime.

- Main & Alt Monitor Control
- Mute, Dim & Mono Controls
- Onboard Headphone with Gain Control
- 8 Subgroups
- Two 2 Track Returns
- Subgroup Monitor Returns
- 1 Stereo AUX
- 8 Stereo FX Returns
- 1/8" TRS Selectable input
- Onboard Talkback
- Selectable Insert Return