



### Description

The digital mixer adopts 32-bit floating-point DSP audio processor, and 24bit/48Khz digital-to-analog/analog-to-digital conversion. It supports 31-band GEQ processor, compressor, noise gate, delay, polarity, DSP effect, AUX, SUB, and LED level indication, load/save/copy mixer settings, remote control, USB interface, etc. It has 20 linear level inputs and 16 microphone preamplifiers and replay engines. It is suitable for all kinds of performance venues, conference rooms, schools, intelligent buildings, enterprises and also personal use.

### Feature

- \* Built-in efficient DSP audio processor, super processing capacity, built-in 4 CPU chips, more powerful computing and processing capability.
- \* Built-in dual digital audio processor enables users to freely edit the effect mode, sound depth and others.
- \* 16 channels of MIC and LINE joint input interface and 16 microphone pre-amplifiers support connecting to all types of microphones; microphone input interface supports 48V phantom power.
- \* 4 linear input interface can connect to stereo devices.
- \* Support digital signal input and digital signal output functions and can be switched independently.
- \* 8 breakpoint insertion can connect to additional processors(compressor, EQ, de-esser, filter).
- \* Provide 2 sets of stereo main outputs, 8 auxiliary outputs, 1 set of stereo monitoring output, 2 headphone monitoring outputs.
- \* Support independent monitoring and mute of input and output channels.
- \* A 7-inch LCD HD color touch screen, visualized operation interface and function settings, resolution: 800 × 480, all input/output channels support touch screen to customize the title.
- \* The input channel supports 4-band parameter equalization; the output channel supports 31-band graphical equalization.
- \* A high precision electric fader with 100mm stroke. Each input channel can be set before or after the fader.
- \* Built-in 2 USB ports for stereo recording/playback/system upgrade.
- \* 1 network interface, for firmware update or connecting to iPad for remote control.
- \* Support scene memory function, save and call 24 scenes, 48 groups of DSP and equalizer presets, 104 groups of effector presets.
- \* Support DCA grouping function, several input signals can be grouped into 1 group to control the volume, and 6 groups of DCA are supported.
- \* Support replication function, can quickly debug and set the channels; support lock, unlock, password modification functions, effectively prevent wrong operations.
- \* Optional: DANTE network audio interface or USB multi-track audio interface.
- \* Compressor for microphone channels.
- \* Internal DSP effects with 32 editable stereo presets.



### Specification

<b>Model</b>	TS-20PD-4
<b>MIC and LINE joint input</b>	16 channels (they are all XLR/single-plug hybrid interface)
<b>Linear input</b>	4-channel stereo single-plug interface
<b>Intelligent output</b>	2 sets of stereo main outputs, 8 auxiliary outputs, 1 set of stereo monitoring output, 2 headphone monitoring outputs
<b>Mixer Outputs</b>	Relay controlled MON 1, MON 2, MASTER
<b>INSERT</b>	8-channel breakpoint insertion connect to additional processor
<b>USB interface</b>	2 USB ports for stereo recording/playback/system update
<b>Screen</b>	7-inch HD IPS touch screen, resolution: 800×480
<b>AD/DA</b>	Support 24bit/48Khz
<b>DSP processor</b>	32-bit floating point
<b>Phantom power</b>	+48VDC
<b>Frequency response direct output</b>	20Hz~20KHz at 0dBu±1.5dB
<b>Distortion</b>	<0.01% at 0dBu±1KHz
<b>SNR</b>	107dB
<b>Maximum input level</b>	+22dB
<b>Linear input gain</b>	-15dBu~+35dB
<b>Audio processor</b>	12 effects: Hall, Room, Plate, Delay, Stdelay, Tremolo, Flanger, Chorus, DelayRev, StdelayRev, FlangerRev, ChorusRev
<b>Noise gate</b>	Threshold range: -84dBu-0dB; start time: 0.5ms-200ms; release time: 5ms-2000ms
<b>Compressor</b>	Threshold range: -30dBu-+20dB; start-up time: 10ms-150ms; release time: 10ms-1000ms; ratio: 1:1to24:1; gain: 0dBu-+24dB
<b>Equalizer</b>	21Hz-19.2KHz +/-24dB, 3 equalizer on each channel (triple, middle, base), master 7 band EQ
<b>ADC, DAC dynamic range</b>	114dB
<b>Internet</b>	Network port, with external router, can connect to ipad for remote control
<b>Power voltage</b>	AC 90-240V 50/60Hz power supply
<b>Working temperature</b>	Working temperature 0-40°C, storage temperature -20-60°C
<b>Dimension</b>	490×375×145mm ( L×W×H )
<b>Weight</b>	9Kg