



Features

- * 96KHz sampling frequency, 32-bit DSP processor, 24-bit A/D and D/A converter.
- * Selectable audio signal input one from four, each analog audio signal input sensitivity can be selected providing three groups of Mics input, standard 5.1 sound channel output.
- * Provide USB port, WIFI or wired network port are connected to PC by externally connecting to WIFI controller (TS-880SU) with serial port to remotely control and infrared control.
- * Directly to use the function keys on front panel or Connecting with PC to operate the device.
- * Rotate the knob on the front panel directly, can control the mic volume, effect volume, music volume, master volume.
- * A single unit provides 20 groups devices data storage, provides 10 groups effect data storage, can be replicated between devices by PC software.
- * User can set the password to limit the parts or whole functions by the "system" key on the panel, avoid non-workers' operation to damage the machine's working status.
- * Using character LCD screen and 6-segment LED displaying input / output precision digital level meter, mute and edit state.
- * Each input/output both delay and phase control and mute settings, input delay of up to 30ms, the output delay of up to 60ms.
- * The output channel also can control the effect ratio of the channel, mic volume, music volume and effect volumes.
- * Effect with three-band parametric equalizer, and 1 pair high and low pass filter, Echo and effects specific parameters can be adjusted.
- * User can control the main parameters of the channel through the S terminal connection to the matrix.
- * Microphone with four levels of anti-whistle function.

Specifications

Model	TS-211
Output Channel and Socket	5.1 sound channel
Input Channel and Socket	5.1 sound channel and XLR male socket (one pair main sound channel, one pair surround, one middle and one super-bass)
Input Impedance	Balanced: 20K Ω
Output Impedance	Balanced: 100 Ω
PC Port	One USB Com Port on front panel (USB3.0 control interface can be extended to WIFI Control Interface) two RS485 ports in rear panel (RJ45 Block)
CMRR	>70dB (1KHz)
Input Range	$\leq +25$ db
Frequency Response	20Hz~20KHz (± 0.5 db)
S/N Ratio	≥ 95 dB @ 1KHz 0dBu
THD	<0.01% OUTPUT=0db/1KHz
Crosstalk of Channels	>80db (1KHz)
Functions of Input Channels	
Input Mute	Each channel has independent mute control
Input Gain	Music and mic has independent volume adjustment, range: 0%-100%, step-over @1%
Input Delay	Each channel has independent delay control, range: 0—30ms, <10ms, step-over @0.1ms. >10ms, step-over @1ms
Input Polarity	Same phase (+) or reversed phase (-)
Input EQ	Music and mic inputs come with 9 bands of individual parametric EQ. Central frequency point: 20Hz to 20KHz, Bandwidth: 0.01oct to 3oct, Step-over is 0.01oct. Gain: -30dB- + 15dB, Step-over is 0.1dB. default frequency EQ1 40Hz, EQ2 80Hz, EQ3 160Hz, EQ4 317Hz, EQ5 632Hz, EQ6 1261Hz, EQ7 2515Hz, EQ8 5018Hz, EQ9 10KHz, additional 9-band equalizer, adding the slope fixed high cut and low cut filter
Limiters	Both music and mic have independent limiter control, -30db to +20dB, step-over,0.1db
Feedback	Mic comes with 4-levels anti-feedback functions
Noise Gating	Open range -119 dBu to -10 dBu, step-over 1 dBu
Input Selection	4 Optional music signal inputs, 2 analog sensitivity options, a plurality of optical fibers, a group of coaxial
Functions of Output Channels	
Output Mute	Each channel has independent mute control
Output Polarity	Same phase (+) or reversed phase (-)
Output Gain	Each channel has independent gain control. Adjustable range 0%-100%, step-over 1%
Output Delay	Each channel has independent delay control, range: 0—60ms, step-over 0.1us @<10ms; step-over 1ms@>10ms
Crossover	Each channel can set up LPF and HPF independently, with adjustable parameters: Filter types: Linkwitz-Riley/Besse/Butterworth Frequency turning point: 20Hz~20KHz; Attenuation slope: 12dB / oct, 18dB / oct, 24dB / oct, 30dB / oct, 36dB / oct, 42dB / oct, 48dB / oct
Limiters	Each channel can set up limiters independently with adjustable parameters: Threshold value: -30db to +20db; Step-over: 0.1db
Output EQ	Each output channel can be set up with 7 bands of parametric EQ. Center frequency: 20Hz-20KHz Bandwidth: 0.01oct-3 oct, step-over of 0.01oct gain: -30dB- + 15dB, step of 0.1dB. The default frequency EQ1 47Hz, EQ2 112Hz, EQ3 266Hz, EQ4 631Hz, EQ5 1495Hz, EQ6 3544Hz, EQ7 8399Hz
Effectors	Double effectors, 1M memory capacity to ensure real treatment effect, and with 3-band parametric equalizer, the effect ratio can be adjusted
Processor	96KHz sampling frequency, 32-bit DSP, 24-bit A/D and D/A switching
Display	Resolution of 144x32 character LCD and 7-segment LED display for accurate digital input and output level meter, mute and edit status
Power	≤ 30 W
Power Supply	~110-220V 50/60Hz
Product Dimension (W x D x H)	482 x 230 x 44mm
Net Weight	4.5Kg