20CH Multi-Track Recording Digital Mixer

Product introduction

DX20 digital mixer is a fully functional compact digital mixer that SOUNDKING has entered the digital mixer market. A new concept that combines modern digital mixer with traditional mixer operation. Small size, simple operation interface, professional mixing effect. Extension card slot: B-type 16x16 USB audio interface or 16x16 network transmission LAN network interface enable it to play an excellent role in a professional performance, but also fully meet the inexperienced individual users to provide a strong effect. The DX20 combines the advantages of high-end hardware/touch sliding and iPad flat panel remote control.

Adopt 4th generation 40-bit SHARC floating-point processor. 24bit/48kHz AD/DA conversion with 8 built-in effectors, reverb, delay, modulation and GEQ (20 input channels). 16 professional microphones and 2 professional stereo and professional digital signal input ports are used. 16-way bus contains 8 custom analog and digital output ports.

Provide users with multiple configuration options for basic version/multi-track recording version/network transmission version. The DX20 is installed with 2 USB interfaces for playback, recording, scene storage and iPad remote control access. The DX20 is equipped with a 7 inch Android-powered HD touch screen for WIFI wireless control and 9 100mm electric faders to adjust parameters for intuitive operation.

Core technology

● Features

>Extension card slot: B-type 16x16 USB audio interface, digital recording/
 playback

>Extension card slot: 16x16 Network transport LAN Network interface, long
 distance transport/routing

>6 DCA Groups, 2 Mute Groups, 2 Custom Layers, 4 Custom Physical Keys

>Support RS485 central control interface

>8 effects (2 modulations, 2 delays, 2 reverbs, 2 GEQs)

>All channels are equipped with 4-band parametric equalizer, high-pass
 filter, compressor and noise gate.

>Bus: L/R+4 Mono+4 Stereo+1 Stereo Monitoring

>16-way microphone (4-way COMBO)

>S/PDIF input/output and AES/EBU digital output.

>High quality parts: NEUTRIK Cannon, Switzerland

>2 USB interfaces (Recording/Playback, WiFi, Software Update, Scene Import/
 Export)

>Playback format supports file format support ogg, flac, ape, WAV, MP3

>7 inch HD touch screen, touch scratch operation

> iPad remote control

>2.1 mode output

>Optimize sound field environment in RTA measurement mode

>31-segment GEQ

Function introduction

Function introduction20-CH input/16 bus/8-CH physical output port

2 user-defined layers, 4 user-defined keys

USB Multitrack Recording Extension Card Slot

Connect a USB device to a computer with digital audio workstation software (DAW) for 16-in/16-out multitrack recording and playback

9 100mm electtic faders

6 DCA group, 2 mute group

7' IPS HD touch screen

Support RS485 central control interface

LAN Multitrack Network Transport Extension Card Slot

16-in/16-out multi-track long distance and low delay transmission via LAN network connection

DX20 have three versions available to users

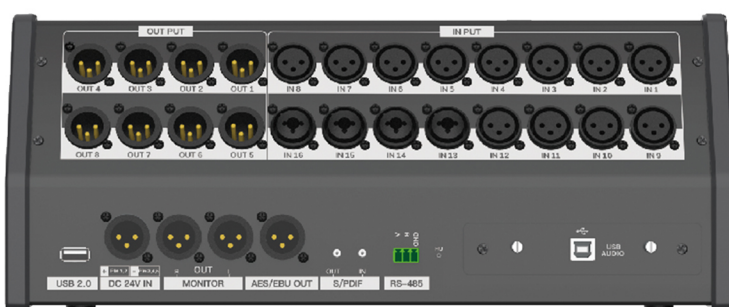A: No Extension Card Slot Version

Upgrade required to purchase a USB or LAN Multitrack Network Transport Extension Card separately

B: USB Multitrack Recording Extension Card Slot Version

Connect a USB device to a computer with digital audio workstation software (DAW) for 16-in/16-out multitrack recording and playback.

C: LAN Multitrack Network Transport Extension Card Slot Version

The 16-in/16-out multi-track long distance and low delay transmission is made through the LAN network connection.

Input and Output Physical Interfaces: 485 Central Control Interface, AES/EBU Interface, S/PDIF Interface, local input and output physical interface, to meet the different needs of different occasions expansion.

Card slot: Support multi-track recording USB Extension Card or LAN multi-track network transmission Extension Card

Digital mixer comparison table

DX20 as SOUNDKING Star Product: New upgrade version of DM20M, many new functions have been added on the original basis

		DM20M	DX20 multi-track record
Input channel		20	20
BUS		16	16
Master stereo bus		1	1
Effect		8	8
Fader		8 x 100mm channel，1 x 100mm master control	8 x 100mm channel，1 x 100mm master control
Sampling rate		48 kHz	48 kHz
Display		7" touch screen	7" touch screen
DCA group		/	6
Mute group		/	2
Extension card slot		/	1 x B type16x16 USB audio interface LAN digital network 16x16 multi-track transmit interface
User-defined key		/	4 user-defined keys
User-defined layer		/	2 user-defined layers
Central control		/	Support RS485 interface
Signal routing		Output signal routing	Input, output signal routing
	Local mic input	12 x XLR-1 / 4 "	16 x XLR-1 / 4 "
	Local line input	4x 1/4 " (2 stereo input)	4x 1/4 " (2 stereo input)
	Local input-digital	1 x stereo S/PDIF	1 x stereo S/PDIF
I/O interface	**Local output**	10 x XLR	10 x XLR
	Local output-digital	1 x stereo AES / EBU (XLR)	1 x stereo AES / EBU (XLR)

Technical Parameters

Input channel		20
BUS		16
Master stereo bus		1
DCA group		6
Mute group		2
User-defined key		Support
User-defined layer		Support
Sampling rate		24bit/48 kHz
Display		7" touch screen
Effect		8
Fader		8 x 100mm channel，1 x 100mm master control
Microphone amplifier		Class-A analog amplifier
I/O interface	Local mic input	12x XLR+4 x COMBO
	Local input-digital	1 x stereo S/PDIF
	Local output	8 x XLR
	Local output-digital	1 x stereo AES / EBU（XLR）
	Monitor output	2 x XLR
	Headphone	1 x 1/4"TRS
	Central control RS485 port	Support
	Extension card slot	Support：USB audio port、digital network multi-track transmit

Applications

1) Various entertainment venues such as bars, KTVs, parties, etc.

2) Enterprises, schools and other units

3) Small and medium-sized bands, music performances and other activities

4) Personal and family gatherings

5) Webcast, recording studio, etc.