

SOUNDKING AUDIO
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USER MANUAL

DIGITAL MIXING CONSOLE

DX20

IMPORTANT SAFETY SYMBOLS



Use only with the cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with the apparatus. When a cart is used, use caution when moving the cart/apparatus combination to avoid injury from tip-over.



The symbol is used to indicate that some hazardous live terminals are involved within this apparatus, even under the normal operating conditions, which may be sufficient to constitute the risk of electric shock or death.



The symbol is used in the service documentation to indicate that specific component shall be replaced only by the component specified in that documentation for safety reasons.



Protective grounding terminal



Alternating current/voltage



Hazardous live terminal

ON: Denotes the apparatus is turned on

OFF: Denotes the apparatus is turned off.

WARNING: Describes precautions that should be observed to prevent the danger of injury or death to the operator.

CAUTION: Describes precautions that should be observed to prevent danger of the apparatus.

1. IMPORTANT SAFETY INSTRUCTIONS

- **Read these instructions.**
- **Keep these instructions.**
- **Heed all warning.**
- **Follow all instructions.**

• **Water & Moisture**

The apparatus should be protected from moisture and rain, can not used near water, for example: near bath-tub, kitchen sink or a swimming pool, etc.

• **Heat**

The apparatus should be located away from the heat source such as radiators, stoves or other appliances that produce heat.

• **Ventilation**

Do not block areas of ventilation opening. Failure to do could result in fire. Always install accordance with the manufacturer's instructions.

• **Object and Liquid Entry**

Objects do not fall into and liquids are not spilled into the inside of the apparatus for safety.

• **Power Cord and Plug**

Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.

Do not defeat the safety purpose of the polarized or grounding-type plug. A polarized plug has two blades with one wider than the other. A grounding type plug has two blades and a third grounding prong. The wide blade or the third prong is provided for your safety. If the provided plug does not fit into your outlet, refer

to electrician for replacement.

• **Power Supply**

The apparatus should be connected to the power supply only of the type as marked on the apparatus or described in the manual. Failure to do could result in damage to the product and possibly the user.

Unplug this apparatus during lightning storms or when unused for long periods of time.

Where the MAINS plug or an appliance coupler is used as the disconnect device, the disconnect device shall remain readily operable.

• **Fuse**

To prevent the risk of fire and damaging the unit, please use only of the recommended fuse type as described in the manual. Before replacing the fuse, make sure the unit turned off and disconnected from the AC outlet.

• **Electrical Connection**

Improper electrical wiring may invalidate the product warranty.

• **Cleaning**

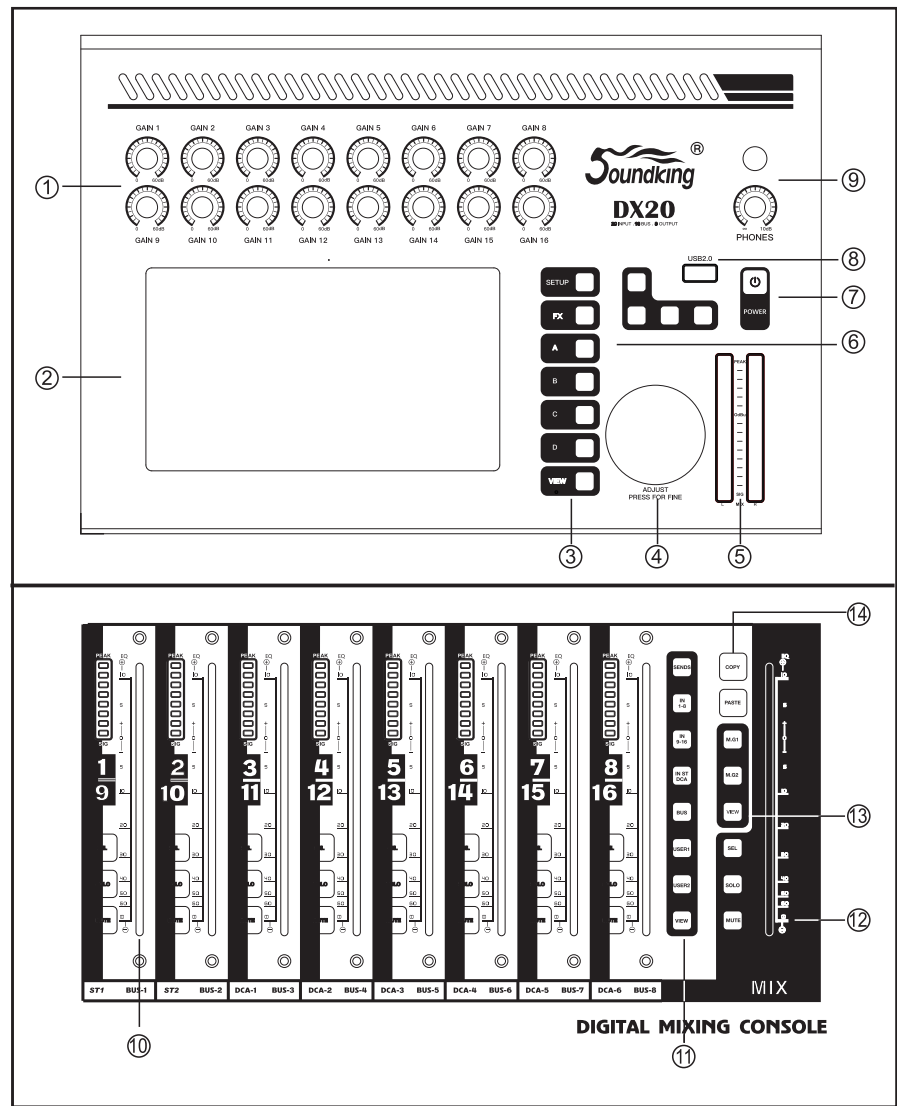
Clean only with a dry cloth. Do not use any solvents such as benzol or alcohol.

• **Servicing**

Do not implement any servicing other than those means described in the manual. Refer all servicing to qualified service personnel only.

- Only use accessories/attachments or parts recommended by the manufacturer.

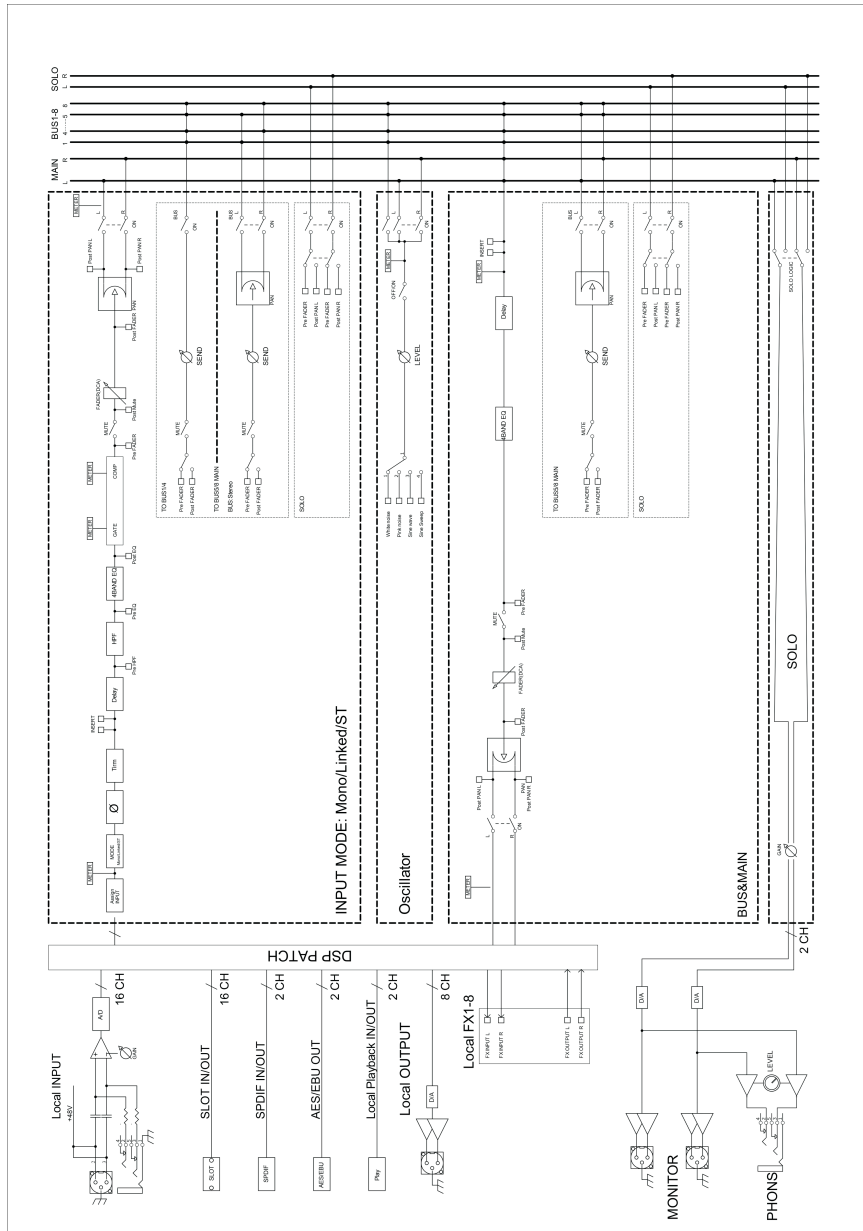
PANEL



SPECIFICATION

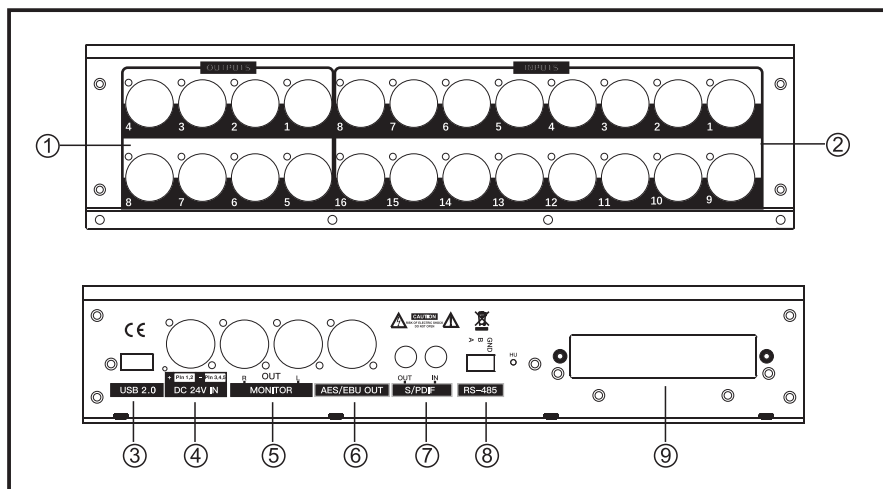
Input channel	20
Bus	16
Stereo bus	1
Effect	2 modulation, 2 delay, 2 reverb, 2 GEQ
DCA group	6
Mute group	2
Self-defined key	Support
Self-defined layer	Support
Sampling rate	24bit/48kHz
Local mic input	12 x XLR+4xCOMBO
Local digital input	1 x S/PDIF
Local output	8 x XLR
Local digital output	1xAES/EBU
Monitor output	2x XLR
Earphone output	1x1/4" TRS
Mic amplifier	16 ch Class A analog amplifier
Fader	8x110mm channel, 1x110mm main channel
Screen	7" 1024x600
RS485 port	Support
Power supply	AC 100-240V 50/60Hz
Dimension	470. 3*353*147. 3mm
Net weight	6. 5kg

SIGNAL FLOW DIAGRAM



1. Gain knob: Adjusts the gain of the corresponding input channel in the range 0-60dB.
2. Screen: Edit and control the mixer via the touch screen.
3. Function key
 - Setup system function
 - FX effect
 - A, B, C, D self-defined function
 - VIEW
4. Adjust parameter knob: Operates with a touch screen to adjust parameters.
5. 16 level meter: display main output level.
6. Play key: Control MP3 playback, pause, previous, next and recording.
7. Power supply button.
8. USB2. 0: You can insert a U-disk to play songs, import and export scenes, etc.
9. Headphone: Headphone output connector and volume control knob.
10. Channel fader: with SEL, SOLO, MUTE, 8 level meter and motorized fader.
11. Layer control key
 - SENDS fast send
 - IN1-8 channel 1 to 8
 - IN9 16 channel 9 to 16
 - IN ST DCA stereo input and DCA group
 - BUS bus channel
 - USER1, USER2 user-defined
 - VIEW
12. Master channel fader: with SEL, SOLO, MUTE and motorized fader.
13. Mute group key.
14. Copy and paste button: Copy between channels, quickly copy the parameters of one channel to another.

REAR PANEL



1. Outputs 1-8: 8 XLR output interface for analog signals to external devices via XLR connection cables. Outputs 7-8 output the master channel signal by default.
2. Input 1-16: 16 input interface for connecting a line or microphone to an audio signal source.
3. USB2.0: same function as front panel USB interface.
4. Power supply: input 24V DC power supply interface.
5. Monitor: output stereo monitor signal.
6. AES/EBU: AES/EBU digital signal output via XLR cable.
7. S/PDIF: S/PDIF digital input and output.
8. RS-485: External control of the mixer via RS-485 protocol.
9. Expansion slot: Multi-track recording card interface.

DIMENSION DRAWING

