SOUNDKING INTELLIGENT DIGITAL MIXING CONSOLE

Compact digital mixing console with an ultra-large screen

AM20

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Product Overview

AM20 is the core product developed by Soundking for the professional audio field. Its core hardware architecture adopts a combination of the fourth-generation 40-bit SHARC floating-point processor and ARM Cortex™-A53 quad-core SOC processor. Relying on the collaborative computing capabilities of high-performance processors, this device can achieve high-speed processing and precise regulation of 20 audio signals, providing stable and reliable high-performance support for various professional audio application scenarios.

At the design level, this product adopts a sleek linear structure design, providing a smooth and delicate handling experience. Equipped with a brand-new UI design scheme and interactive logic, the interface layout is neat and clear, with intuitive and easy-to-understand icon identifications. The color matching is scientific and coordinated, offering excellent visual comfort. It achieves an organic unity between aesthetic appearance and practical operational functionality.

The product is deeply integrated with humanized design concepts, allowing users to quickly grasp the operation process without undergoing long-term system training, significantly lowering the threshold for use. This feature enables it to flexibly adapt to diversified application scenarios - small and medium-sized live sound reinforcement, recording production, live streaming, and government and corporate meetings.

As a multifunctional premium mixing console crafted by Soundking for the professional audio domain, the AM20 excels in core performance. It not only delivers high-quality audio output with low delay and high dynamic range but also achieves an efficient balance between ease of operation and functional extensibility, all while maintaining professional-grade performance, fully satisfying the needs of multi-scenario applications.
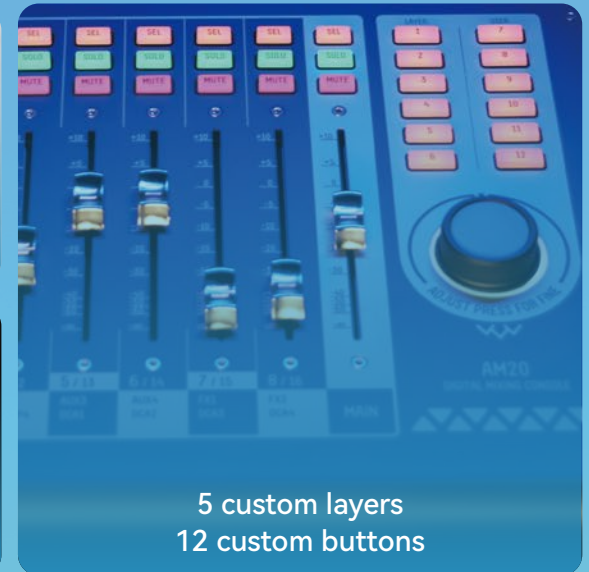
Innovation Highlights

ADI's fourth-generation SHARC processor

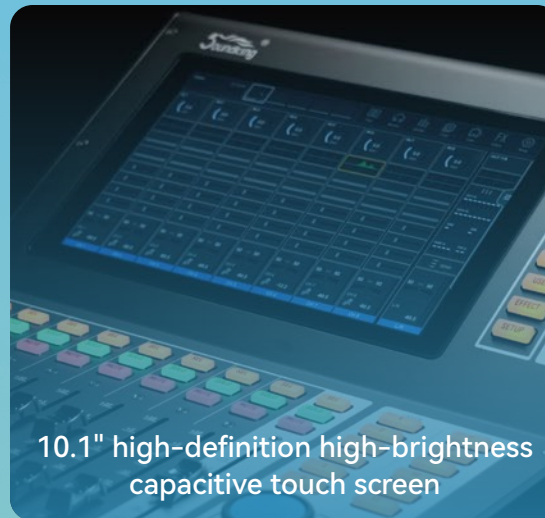The USB interface is fully functional, supporting U-disk recording, playback, and more

16 high-quality MIC mono input channels
8 freely configurable balanced output channels

Expansion slot, optional bluetooth and stereo sound card expansion card

5 custom layers
12 custom buttons

9 high-quality motorised faders with 100mm travel

10.1" high-definition high-brightness capacitive touch screen

Implement the dual-machine hot backup function

Product Features

- Equipped with a 10.1-inch high-definition capacitive touch screen with a resolution of 1280x800, it boasts clear display quality and sensitive touch response

- Equipped with 16 MIC mono inputs, as well as independent USB and DIGITAL input channels, it meets the needs of various audio source access

- The input channels support the formation of stereo channels by linking adjacent channels, enabling both horizontal and vertical linking operations

- Equipped with 2 FX buses, 4 AUX buses, 4 GROUP buses, 2 MATRIX buses, and MASTER L\R buses, while integrating the SOLO Phones monitoring module, the bus config is rich

- It provides 8 freely connectable balanced output XLR connectors, which can be adapted to various professional output devices

- Integrated with independent AES input and output interfaces and GPIO command interface, it boasts excellent expansion and connectivity capabilities

- Equipped with an expansion slot, it supports bluetooth/stereo sound card expansion cards as optional accessories, allowing for functional upgrades according to needs

- Supports 4 mute groups and 4 DCA groups, enabling precise control over audio signals

- 5 custom layers and 12 custom buttons, offering outstanding flexibility – supporting customization of layers according to different application scenarios, and custom buttons can be mapped to various common operations (such as channel mute, scene recall, etc.)

- Equipped with 9 high-quality motorised faders with a 100mm throw, it features precise and stable fader control performance and excellent operating feel

- The display screen adopts a pure flat installation design, which can effectively prevent dust from entering, facilitating daily cleaning and maintenance, and extending the service life of the device

- Supports remote control in HTML5 compatible browser mode, without the need to download any application, making operation convenient and hassle-free

- Realize dual-machine hot backup functionality through wired or wireless means to ensure the practical use of important locations

- Equipped with a standard 24V power adapter and featuring an anti-loosening design, it comprehensively ensures electrical safety

Innovative features

1. 10.1" high-definition display
2. Channel selection, SOLO, MUTE, motorised fader
3. Main navigation function button
4. USB data interface
5. Monitor headphone jack, volume knob
6. Customizable function button
7. Multi-function adjustment knob

Product Parameters

Input channels	16-channel microphone input (including 4 Combo XLRs) + DIGITAL + USB, featuring a multi-channel design to meet diverse input requirements
Input channel functions	It features a rich set of functions including phase, delay, RTA, channel LINK, high and low-pass filters, 4-band parametric equalizer, noise gate, compressor, panning, FX insertion, bus send, and more
Phantom power supply	16 input channels can individually switch the phantom power supply status, adapting to different microphone types
FX	Equipped with 8 effects (2 modulation, 2 delay, 2 reverb, 2 GEQ), which can be independently assigned to any input channel and bus, with powerful sound processing capabilities
Built-in signal generator	Capable of outputting white noise / sine wave / pink noise signals, facilitating device debugging and performance testing
AD / DA	Supports up to 24Bit / 192KHz sampling rate, with high audio resolution and detailed sound quality reproduction
DSP	Utilizing the fourth-generation SHARC processor from ADI, featuring 40-bit floating-point operation and a clock speed of 450M, it offers fast data processing and high accuracy
USB function	Supports U-disk playback and recording, system updates, scene import and export, and can be externally connected to a wireless USB network card to expand connection methods
Operating system	Equipped with a professionally customized Android system, it operates stably and reliably, with smooth user experience
Power Supply	Supports wide voltage input ranging from 100-240V at 50/60Hz, adapting to different regional power grid environments
Dimension (LxWxH)	475x364x156mm

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of Soundking**

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