

12v 16 In 16 Out Digital Audio Processor

S-TRACK® is top 3 audio processor factory in China. The majority of our member has been focusing on the AV field for more than 20 years. 12V 16 In 16 Out Digital Audio Processor (SWIFT 1616N) can also be called as DSP or audio matrix, which has central control code random generation, power failure automatic protection memory, one key reset and many other functions.



S-TRACK® 12V 16 In 16 Out Digital Audio Processor (SWIFT 1616N) Product Introduction:

This S-TRACK® 12V 16 In 16 Out Digital Audio Processor (SWIFT 1616N) is one of the main basic models. 12V 16 In 16 Out Digital Audio Processor (SWIFT 1616N) can provide customization service for all customers and do OEM. 12V 16 In 16 Out Digital Audio Processor (SWIFT 1616N) has a simple and easy-to-understand graphical software control interface, which brings customers a fast and real-time operating experience and can meet the needs of more scenarios.

S-TRACK® 12V 16 In 16 Out Digital Audio Processor (SWIFT 1616N) Product Parameters:

Number of Analog Channels	16-CH Balanced/Line Inputs + 16-CH Balanced/Line Outputs
---------------------------	--

Sampling rate	48k@24bit
Preamplification	51dB (3dB per file, 17 files in total)
Phantom Power	48V
Frequency Response	20Hz ~ 20K Hz, ± 0.3 dB
THD + N	$\leq 0.004\%$ @ 4dBu
Digital-Analog Dynamic Range(A-weighting)	120dB
Analog-Digital Dynamic Range(A-weighting)	114dB
Input Impedance(Balanced)	20k Ω
Output Impedance (Balanced)	100 Ω
EIN(A-weighting)	≤ -120 dBu
Channel Isolation	104dB @1k Hz, 4dBu
Common Mode Rejection	70dB @80 Hz
Maximum Input Level	18dBu
Maximum Output Level	18dBu
Background Noise	-90dBu
Working Power Supply	DC12V/2A
Working Temperature	-10-40 $^{\circ}$ C
Power Consumption	<24W
Chassis Size (WxDxH)	482*258*45(mm)
Net Weight	2.1kg

S-TRACK® 12V 16 In 16 Out Digital Audio Processor

(SWIFT 1616N) Product Features:

1. Comprehensive matrix mixing function, 24bit/48KHz sampling frequency, high-performance DSP processor.
- ★2. DSP audio processing, built-in automatic mixing console, providing gain-sharing type automatic mixing function with adaptive feedback elimination,echo cancellation module, noise cancellation module.
3. Input per channel: preamplifier, signal generator, expander, compressor, 5-band parametric equalization, inversion.
4. Output per channel: 31-segment graphic equalization, delay, divider, limiter, inversion.
5. Chinese name can be set independently for each channel.
6. Test signal generator, sine wave, pink noise, white noise, frequency and level selectable.
7. Input phase switch, mute switch, phantom power switch.
8. Output mute switch, phase switch for each channel.
9. Flexible switching between Chinese, Chinese Traditional and English languages.
10. One key to display all functional modules.
11. Random storage of Chinese help files and software.
12. Random generation of the central control code; power failure automatic protection memory function; one key reset function.
- ★13. Channel copy, paste, joint control function.

14. The same host allows 10 users to manage, the user name can be set to Chinese.
15. Equipment name can be modified, allowing Chinese name
16. Editable preset mode, new, delete, modify, one-key initialization, preset mode can be stored to computer and one-key recovery.
17. Input and output channels can be independently set color, one-key recovery switch.
18. System built-in lock screen function, to effectively avoid the occurrence of misuse.
- ★19. Ethernet multi-purpose data transmission and control port, which can support real-time management of single and multiple devices.
20. Intuitive image, simple and easy to understand graphical software control interface, to bring customers a fast, real-time operating experience.
- ★21. The device does not need CD-ROM, comes with its own installation software, B/S architecture server, accessible through a web browser, providing a download link to PC client and platform components, solving the troubles caused by the loss of the installation CD-ROM and the confusion of multiple software versions.
- ★22. Configuration of bidirectional RS485 interface, GPIO interface, standard Ethernet control interface.
- ★23. Support 8 groups of scene preset functions.
24. Intuitive, graphical software control interface, can work in XP/Windows7, 8, 10 and other system environments.

S-TRACK® 12V 16 In 16 Out Digital Audio Processor (SWIFT 1616N) Application Scenarios:

S-TRACK® 12V 16 In 16 Out Digital Audio Processor (SWIFT 1616N) is suitable for large-scale multi-system interconnection projects such as hotels, supermarkets, gymnasiums, transportation hubs, theme parks, corporate headquarters, administrative centers, learning, and so on.



Conference room



Multi-function hal



Theater



Stage