



JH1302 Series Synchronous Signal Source

Key Functions

- (1) External trigger output synchronization function
- (2) Single-pulse output mode
- (3) Network remote control capability

Technical Specifications

- (1) Signal output channels: The JH1302-64 has 64 channels, while the JH1302-24 has 24 channels.
- (2) External trigger input channels: 4 channels
- (3) External trigger input voltage range: -5V to +5V
- (4) External Trigger Input Voltage Accuracy: $< \pm(5\% + 200 \text{ mV})$
- (5) Output pulse width range: 100ns to 100us
- (6) Output pulse width accuracy: $< \pm 5\%$
- (7) Pulse output amplitude: 2.5V@50 Ω , 5V@1M Ω
- (8) Pulse Output Amplitude Accuracy: $< \pm 6\%$
- (9) Fast Edge Output: $< 1.5 \text{ ns} @ 50 \Omega$; $< 2 \text{ ns} @ 1 \text{ M} \Omega$
- (10) Inter-channel Delay: $\leq 200 \text{ ps}$
- (11) External trigger to output delay: $< 50\text{ns}$
- (12) External trigger to output jitter: $< 100\text{ps rms}$

Additional Specifications

Power Supply

- (1) Standard three-pin socket with input voltage of 220V ($\pm 10\%$) and 50Hz (\pm

5%).

(2) Power consumption: 20W

Mechanical Structure

Standard 19-inch rack-mount device, 1U height, 270 mm depth; schematic diagram is shown below.



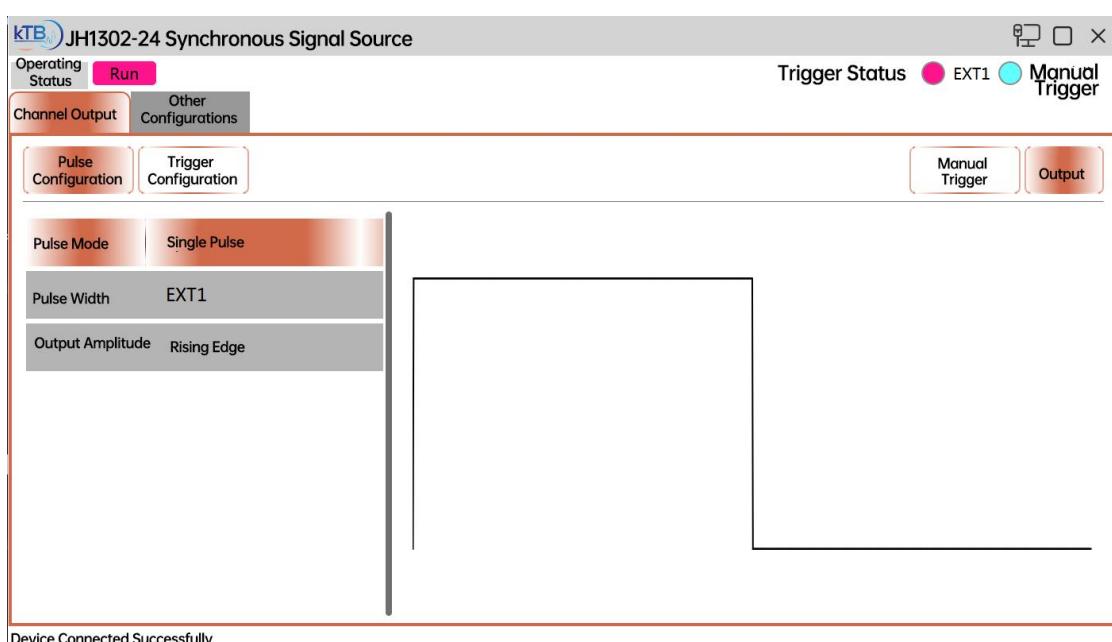
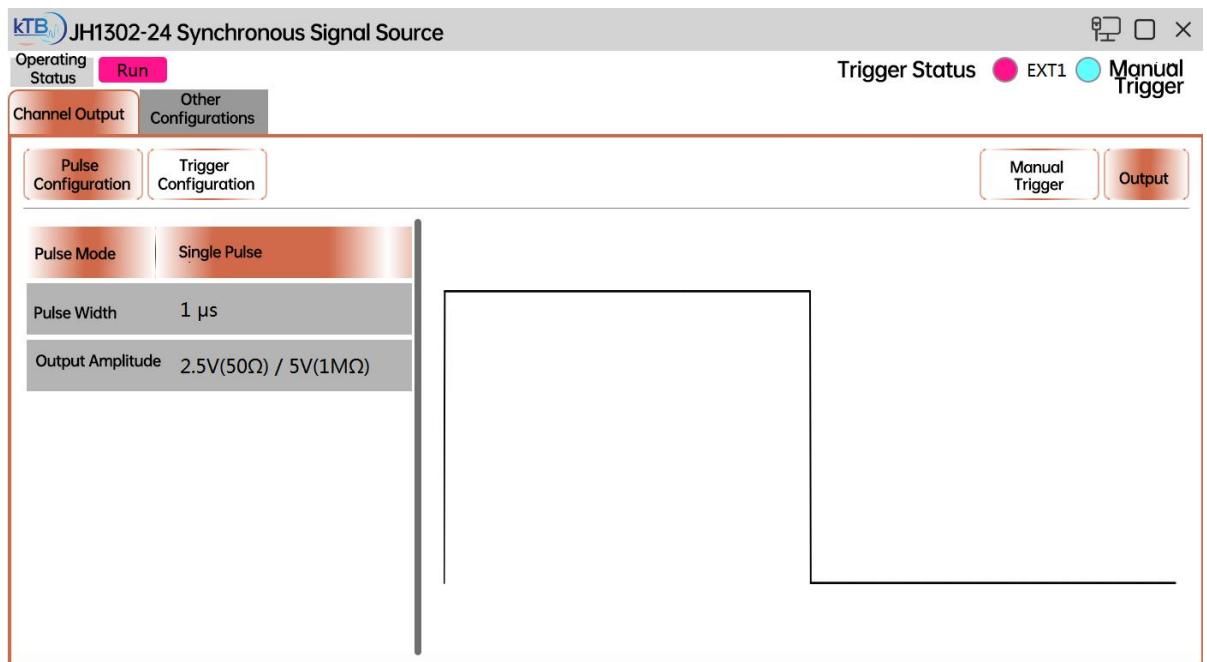
Ambient Conditions

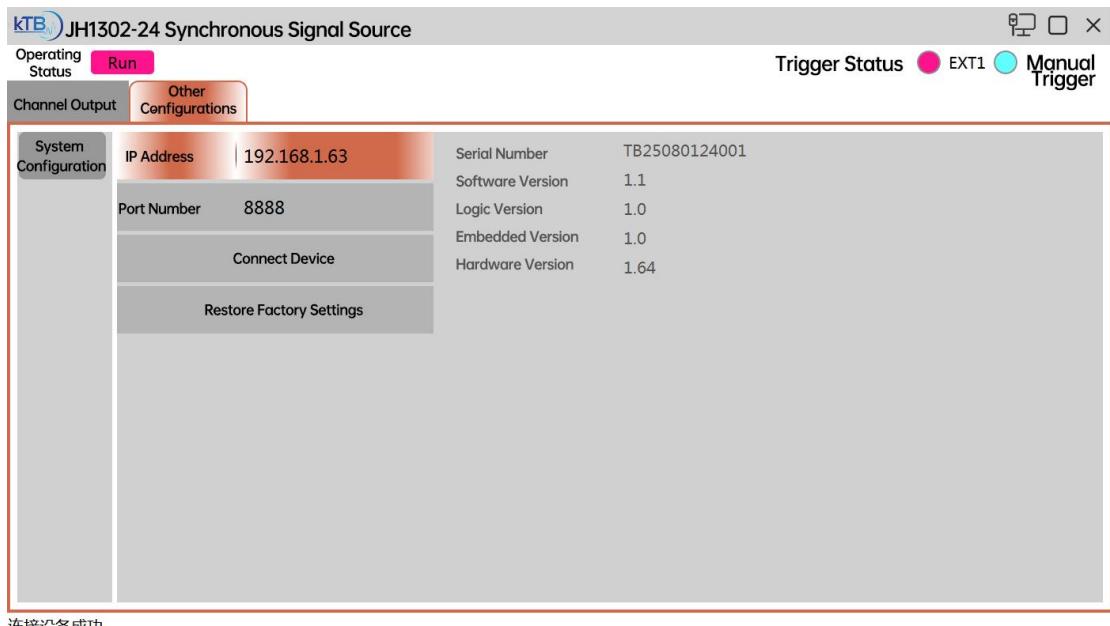
(1) Operating temperature: 0~40°C;

(2) Relative humidity: 30%~80%.

Software Interface

This synchronous signal source is equipped with host computer software, which can be used to configure the output mode, signal pulse width, and trigger source of the output signal. The software interface is shown as follows:





Order Information

model	description	remarks
JH1302-64	64-channel synchronous signal source	
JH1302-32	32-channel synchronous signal source	
JH1302-24	24-channel synchronous signal source	

Packing List

name	description	quantity
Synchronous Signal Source		1 unit
Power Cord		1 piece