

# Quick Guide

## High Resolution Module Oscilloscope M03 Series

### 1.General Inspection

Please check package status when received the goods:

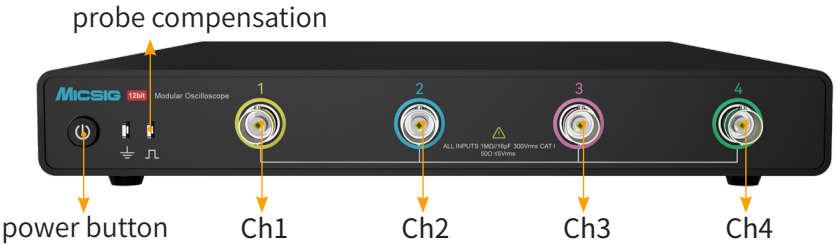
- Check Transport Damage  
If you find serious damage to the packing box or foam plastic,please keep them until the equipment passed electrical and mechanical performance tests.
- Check The Accessory  
A packing list is included in the box. Please check if the accessories arecomplete.If accessories are missing or damaged, please contact the seller.
- Check The Instrument  
If the appearance of the oscilloscope is damaged or fails to pass the performance test, please contact the seller or Micsig.

Oscilloscope Implementation standard: GB/T15289-2013

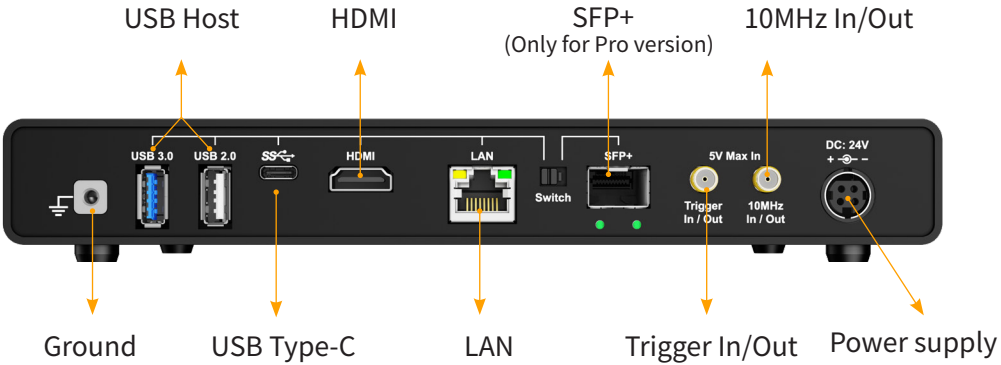
### 2.Getting Started

- 1) Power Supply  
The standard power supply for the instrument is 100~240 V, 50/60 Hz. Please use the adapter provided with the instrument to connect it to AC power.
- 2) External Monitor and Mouse  
The oscilloscope can be connected to external display devices through a standard HDMI interface, which showed in chapter 4.1.
- 3) Start-up  
Move the switch button to the LAN interface side and press the power button.

### 3.Panel Introduction



### Back Panel



### Interface

USB 3.0/2.0	Support 1 USB 3.0 and 1 USB 2.0 storage device
LAN	×1, support SCPI programming
USB Type-C	×1, support PC connection, mobile app connection and SCPI programming
Probe compensation	1kHz, 2Vpp
HDMI	HDMI 1.4, connect display device
Trigger in/out	Internal single trigger / external trigger input
10MHz in/out	Provide accurate clock signal and can be used to synchronize different oscilloscopes
DC power supply	24V DC, 5A
Switch button	left: LAN, right: SFP+

### 4.Connection and Control

There are three ways to remotely control this oscilloscope:

#### 4.1 HDMI Direct Connection Display

To view the displayed waveforms and interact with the oscilloscope, you can connect an external HDMI monitor to the HDMI output using an HDMI cable. Connect a mouse to the instrument and it can be used as a stand-alone oscilloscope.



4.2 PC Software Control


You can remotely control the instrument using the PC software Scope Suite, which can be downloaded from <https://www.micsig.com/software1>. Connect the oscilloscope to a PC using the USB Type-C port on the MO3 series unit. For detailed instructions, please refer to the *High-Resolution Oscilloscope MO3 Series User Manual* or contact Micsig Technical Support.

4.3 User Defined Programming


MO3 Series oscilloscopes support remote control via USB Type-C or LAN interfaces by sending SCPI commands. Before using SCPI, ensure the corresponding VISA environment (e.g., pyvisa, NI-VISA for LabVIEW) is installed and configured. For detailed command descriptions and programming guidance, refer to *Micsig Oscilloscope SCPI Commands Manual*.

5. Language Setting


The default language for this oscilloscope is English. If you need to switch to another language such as Chinese, please follow the steps below:



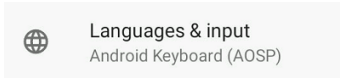
① Scroll up at the bottom of the main page and click the home button



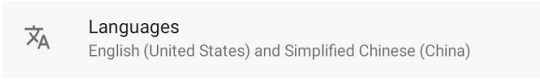
② Select "Settings"



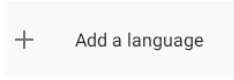
③ Select "System"




④ Select 'Languages&input'



⑤ Select 'Languages'



⑥ Select "Add a Languages"



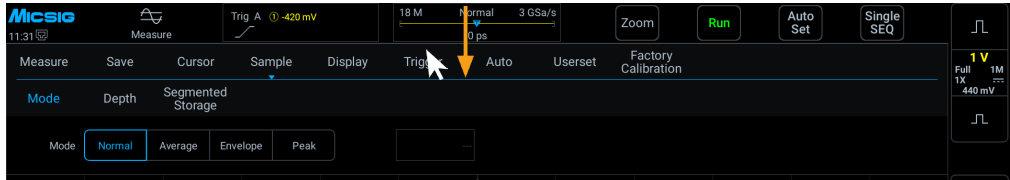
⑦ Select your language and apply

6. User Interface

When an external monitor is connected or the Micsig Oscilloscope is used, the entire screen can be manipulated using a mouse.



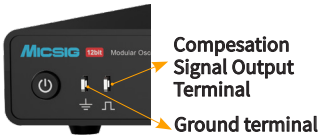
Press the left button of the mouse to control the waveform and cursor. Select a channel and move the mouse left to show channel related parameters.



Menu bar with drop-down menus lets you access measure, sample and other fuctions.

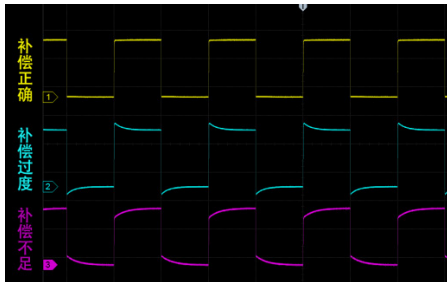
7. Probe Compensation

When a probe is used for the first time, you should compensate it to match the input channel of the oscilloscope by following the steps below:



Compensation Signal Output Terminal  
Ground terminal

- \* Connect the probe to any channel;
- \* Hook to the compensation output terminal;
- \* Clamp to the ground terminal;
- \* Press "Auto" button on the scope;
- \* Check the square waveform on oscilloscope



Oscilloscopes generally show three situations in the left figure: Yellow waveform: normal waveform; Blue/purple waveform: need to adjust.  
Use the trimmer to adjust the waveform.