



# SCOPE | QuickStart

OLED DISPLAY | 4 MODES

The SCOPE module is quite simple to build and is perfect for beginners, but there are some important things to know before starting.

## POWER HEADER

The power header should be placed first as it is situated underneath the OLED and cannot be soldered after the screen is in place.

## ENCODER AND SWITCH

The encoder and switch may move away from the PCB when soldering to prevent this from happening it is possible to add a second nut before mounting the front panel and soldering

## SCREEN PLACEMENT

The screen placement should be done last and very carefully to ensure that it sits flush with the front panel. It is recommended to solder a single pin and check the position before soldering the rest in place as it will be much easier to position perfectly this way.

## PART ORIENTATION

Some components can be accidentally placed backwards so make sure they are inserted with the correct orientation. Incorrect placement will prevent the module from working correctly.

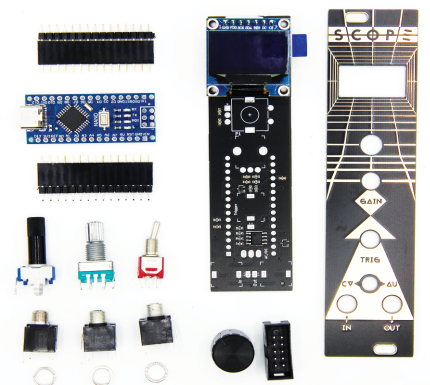
**IN SOME CASES THIS CAN DESTROY THE COMPONENT!**

- IDC shrouded Header J1 (indicated by silkscreen and arrow)
- USB connector from the Arduino nano should be pointing upwards towards the OLED screen.

**PLEASE SCAN THIS FOR MORE INFORMATION,  
FIRMWARE UPLOADER AND VIDEOS.**


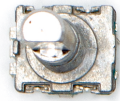

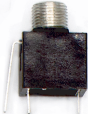
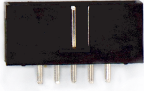
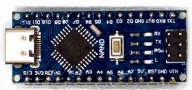
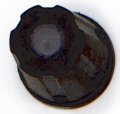



[modulove.io/scope](https://modulove.io/scope)  
Good luck with the build  
and happy patching!



# SCOPE | BOM

## OLED DISPLAY | 4 MODES

NO.	REFERENCE	DESCRIPTION	QUANT	IMAGE
1	A1	Female Pin Header	2	
2	SW1	D-Shaft Encoder with Button	1	
3	SW2	SPDT-Mini on-on	1	
4	J2 ,J3, J4	PJ301M-12	3	
5	J1	10P IDC Header	1	
6	A1	Arduino Nano	1	
7	-	Encoder Knob	1	
8	DISP1	MSP096x (7 PIN) SPI OLED (GND-VDD-SCK-SDA-RES-DC-CS)	1	
10	P1	Song Huei RK0904N 100K Linear Potentiometer	1	