EasyDMM First Use

August 27, 2019

SIGLENTs EasyDMM software provides easy instrument control and data collection.

In this note, we will show how to configure EasyDMM for the first time.

1. Download and install EasyDMM. You can find the download instructions and files here: DMM Software

2. Connect the SDM to the controlling computer or network. The SDMs have USB and LAN connections. In this note, we are using a USB connection

3. Open EasyDMM by clicking on the desktop icon or running the executable from the start menu.

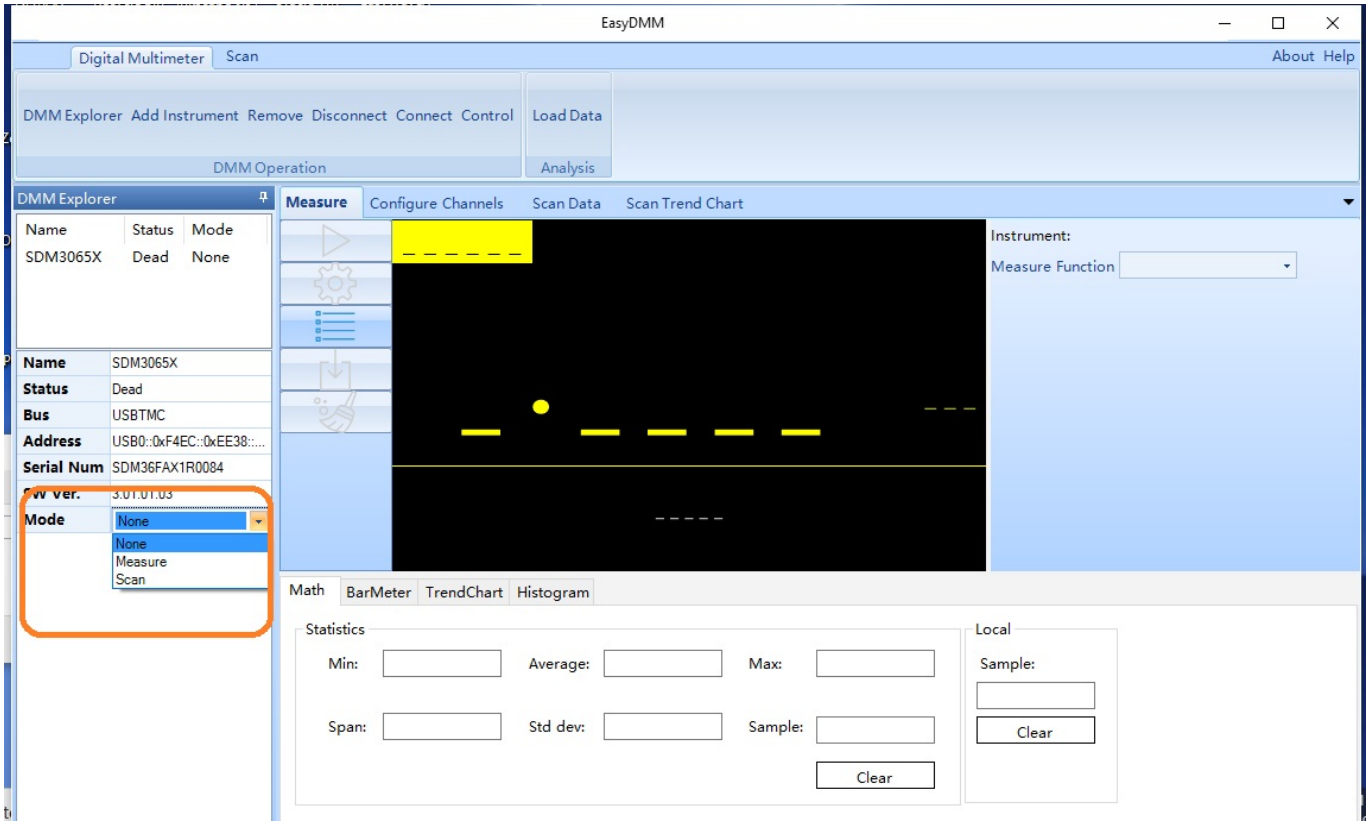
The initial opening screen will show this basic layout:

4. Now, click on Add Instrument, select the USB device you wish to control (USBTMC as shown), and click OK:

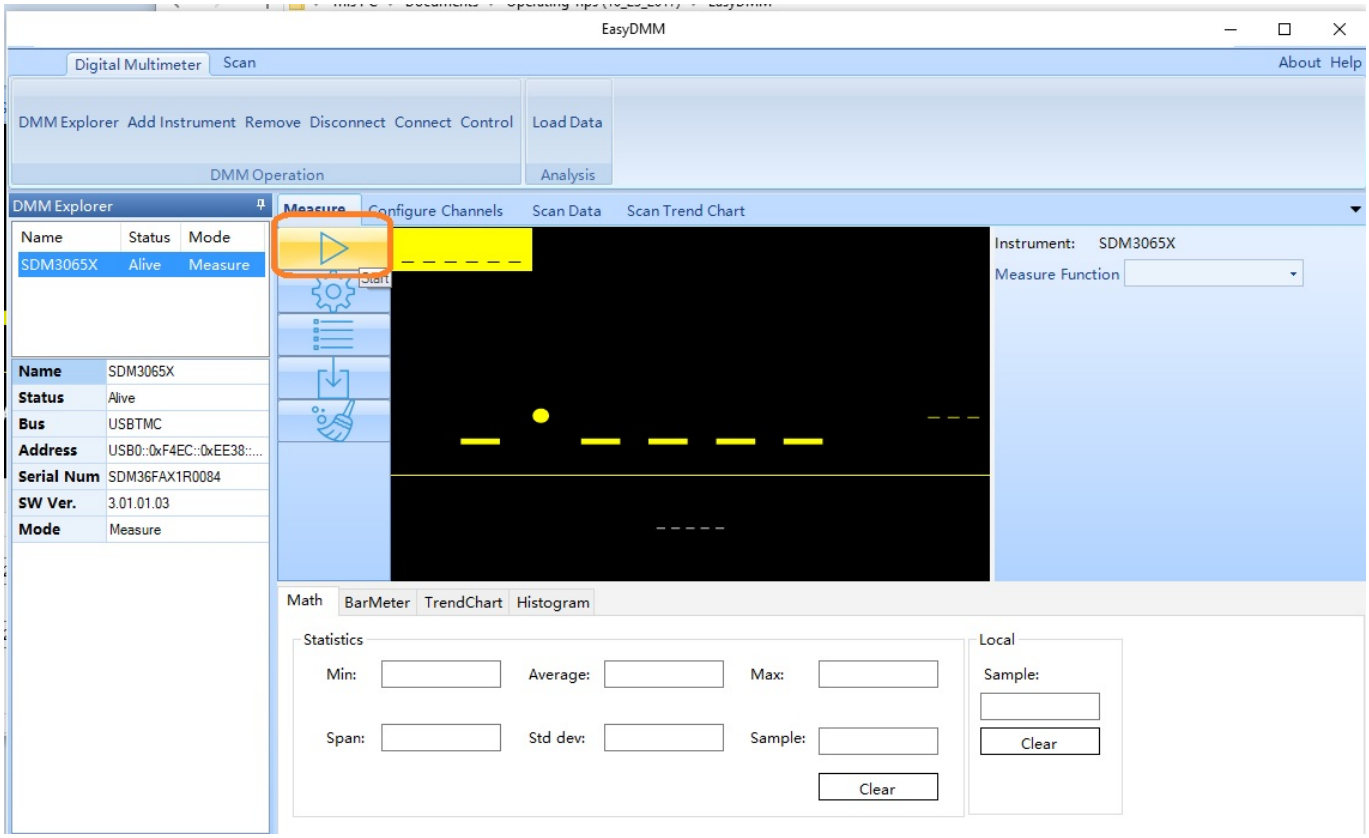
It's ALIVE!!!!

5. Set Mode to Measure:

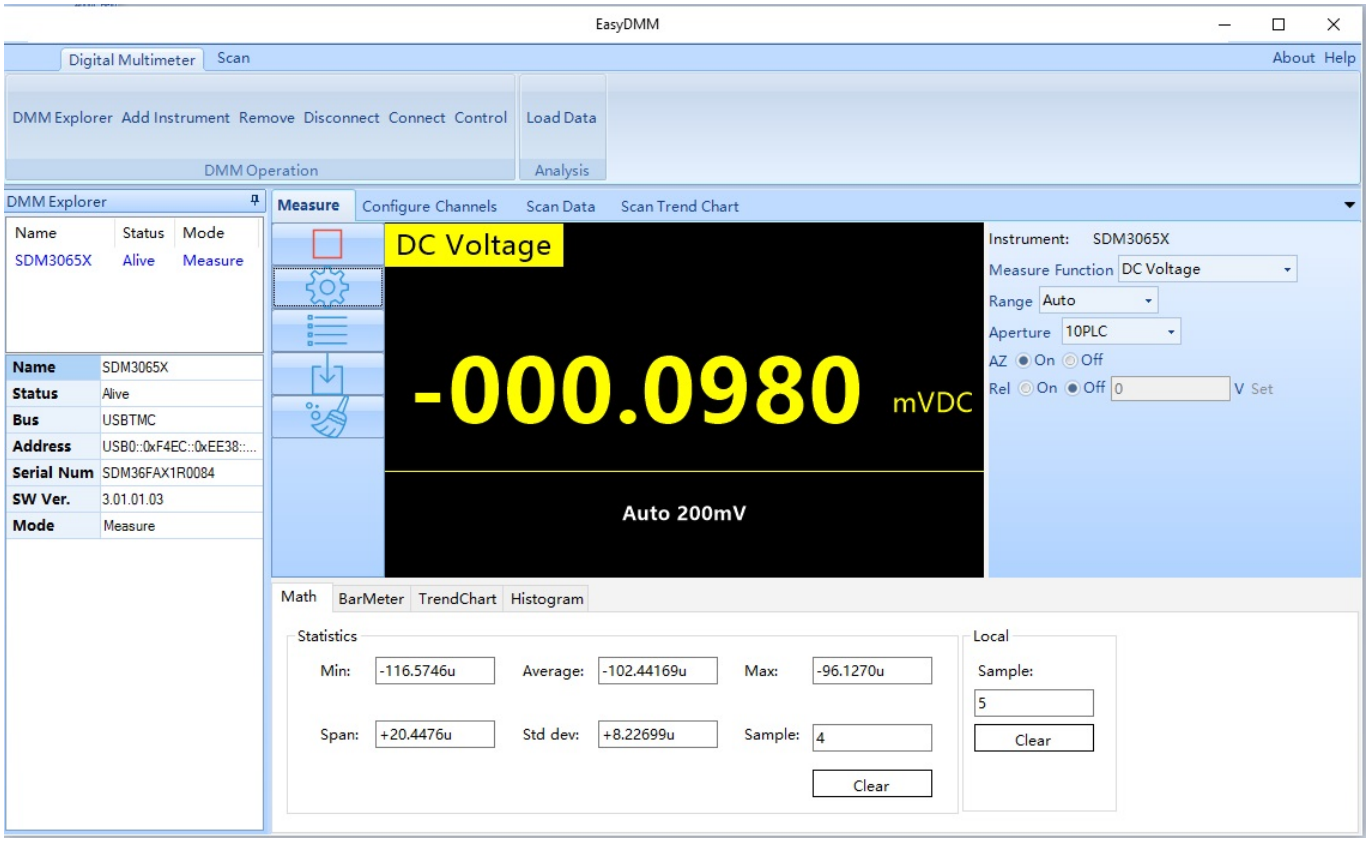
6.



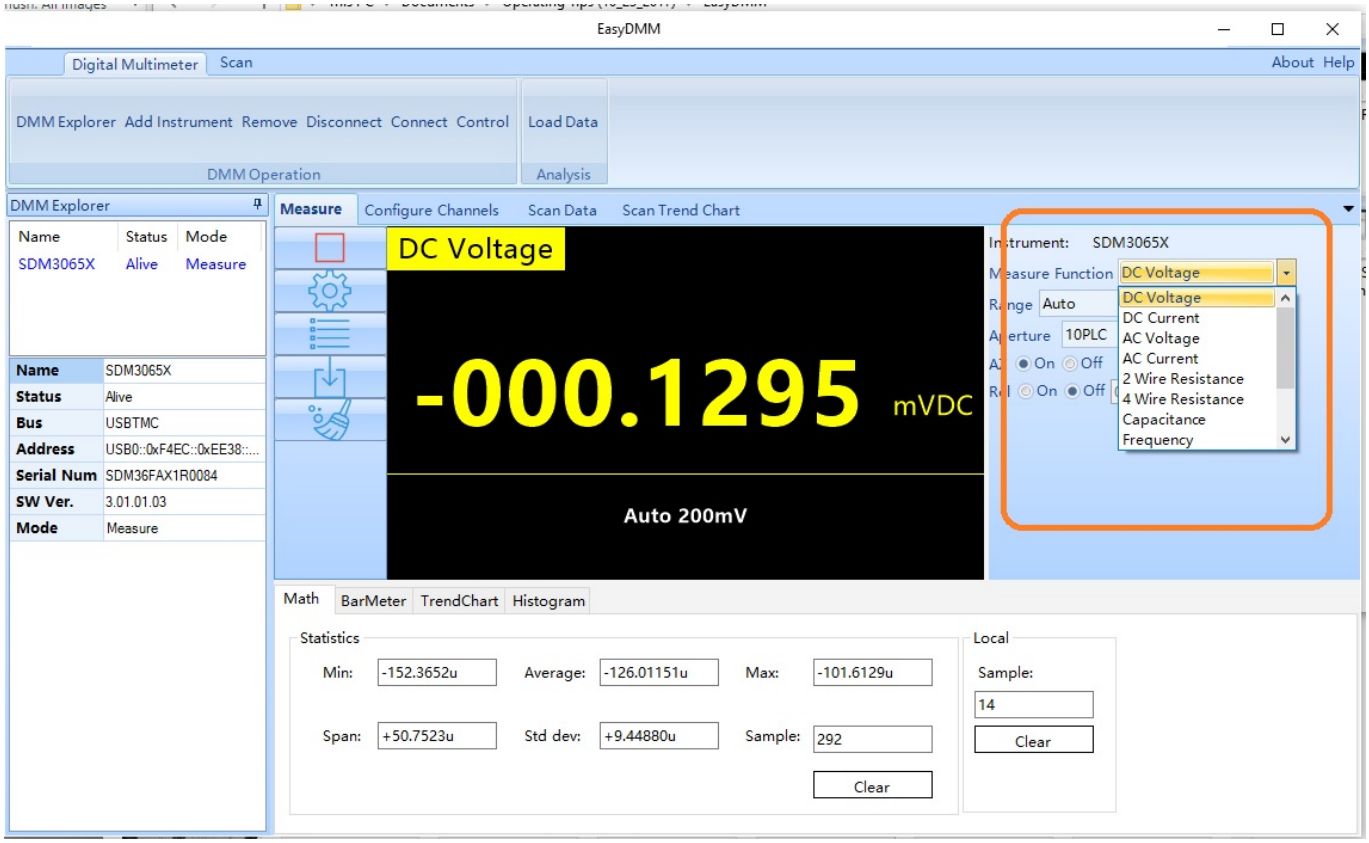
To connect and receive measurements from the instrument, you can click on the “run” button:



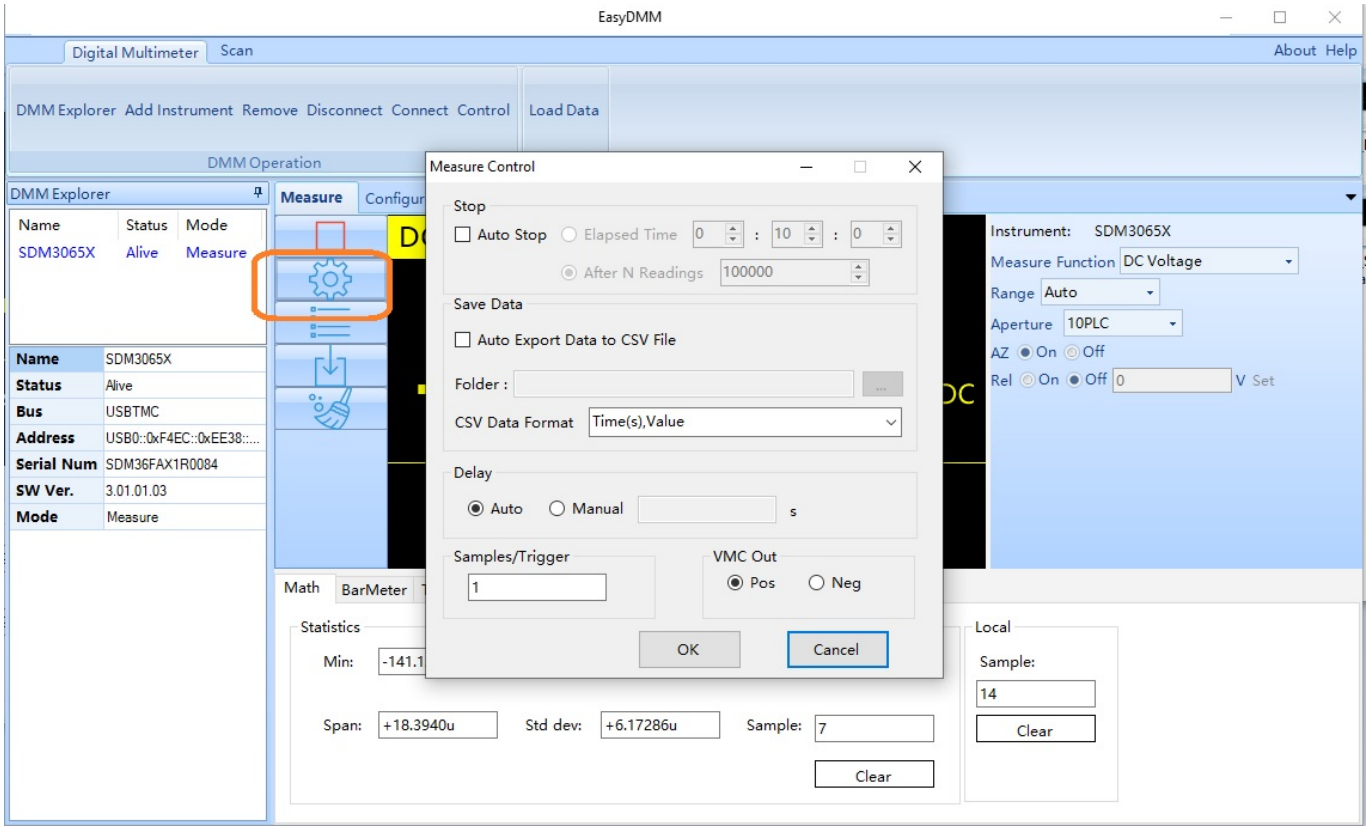
This will update the data on the display:



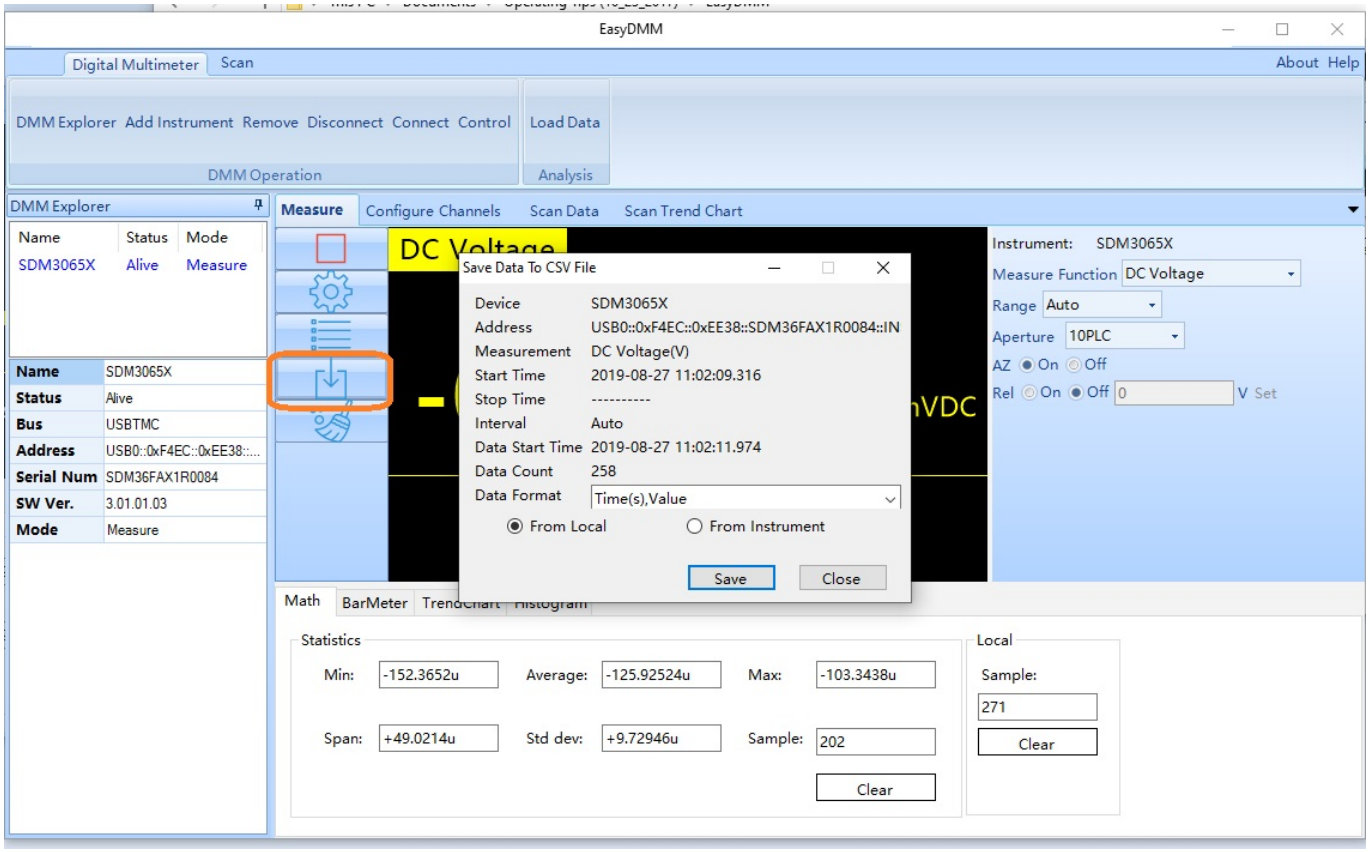
From here, you can adjust the measurement type:


EasyDMM
Digital Multimeter
Scan
About Help
DMM Explorer
Add Instrument
Remove
Disconnect
Connect
Control
Load Data
DMM Operation
Analysis
DMM Explorer
Name
Status
Mode
SDM3065X
Alive
Measure
Measure
Configure Channels
Scan Data
Scan Trend Chart
DC Voltage
-000.1295
mVDC
Auto 200mV
Instrument: SDM3065X
Measure Function
DC Voltage
Range
Auto
Aperture
10PLC
On
Off
DC Voltage
DC Current
AC Voltage
AC Current
2 Wire Resistance
4 Wire Resistance
Capacitance
Frequency
Name SDM3065X
Status Alive
Bus USBTMC
Address USB0::0xF4EC::0xEE38::...
Serial Num SDM36FAX1R0084
SW Ver. 3.01.01.03
Mode Measure
Math
BarMeter
TrendChart
Histogram
Statistics
Min: -152.3652u
Average: -126.01151u
Max: -101.6129u
Span: +50.7523u
Std dev: +9.44880u
Sample: 292
Clear
Local
Sample:
14
Clear

View Data:


EasyDMM
Digital Multimeter
Scan
About Help
DMM Explorer Add Instrument Remove Disconnect Connect Control
Load Data
DMM Operation
DMM Explorer
Name Status Mode
SDM3065X Alive Measure
Name SDM3065X
Status Alive
Bus USBTMC
Address USB0::0xF4EC::0xEE38::...
Serial Num SDM36FAX1R0084
SW Ver. 3.01.01.03
Mode Measure
Measure
Measure Control
Stop
Auto Stop
Elapsed Time
After N Readings
100000
Save Data
Auto Export Data to CSV File
Folder :
CSV Data Format
Time(s),Value
Delay
Auto
Manual
s
Samples/Trigger
1
VMC Out
Pos
Neg
OK
Cancel
Instrument: SDM3065X
Measure Function DC Voltage
Range Auto
Aperture 10PLC
AZ On Off
Rel On Off 0 V Set
Math
BarMeter
Statistics
Min:
Span: +18.3940u
Std dev: +6.17286u
Sample: 7
Clear
Local
Sample:
14
Clear

Save Data:



If you have an SDM3055 or SDM3065X with Scan Card (-SC part numbers), there is also a nice note on scanning here: [Configure EasyDMM Scanning]

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