

## **U96 multi-screen interface design display**

U96 key button operation instructions:

1. Short Press key button to switch screen
2. Long press key button the screen to flip
3. Quickly double-click key button the power Wh to clear zero
4. Fast three-click capacity mAH to clear zero
5. Fast four-click time to clear zero

1) The upgraded version of the U96 model now supports 180W power with a maximum voltage of 32V and a maximum current of 6.5A. The upgraded USB port is OPPO's 5P high-current port, but some Huawei chargers are 4P ports. If you find contact If it is not good enough, the current is low or no power is supplied. At this time, please try to pull out a short section for better contact and compatibility;

2) In addition, the button operation logic is optimized this time: Click the button to switch the interface cyclically; quickly double-click to clear the capacity, three-click to clear the battery, four-click to clear the time, and long press the button to clear all accumulated data ; Long press on the AAA interface is the screen flip; when you see the model is U96, please follow this instruction to operate the keys, thank you(2020.12.20)

Adopt 12800 pixel IPS true color LCD screen

General test of various USB digital devices, support Qualcomm QC3.0/2.0/MTK-PE fast charging voltage

A variety of parameters on one screen display, real-time monitoring of charging voltage, current, power, capacity, power, timing, temperature (Celsius / Fahrenheit, etc.)



Startup Screen

### Magnified display interface



### Measurement interface 1



## Measurement interface 2



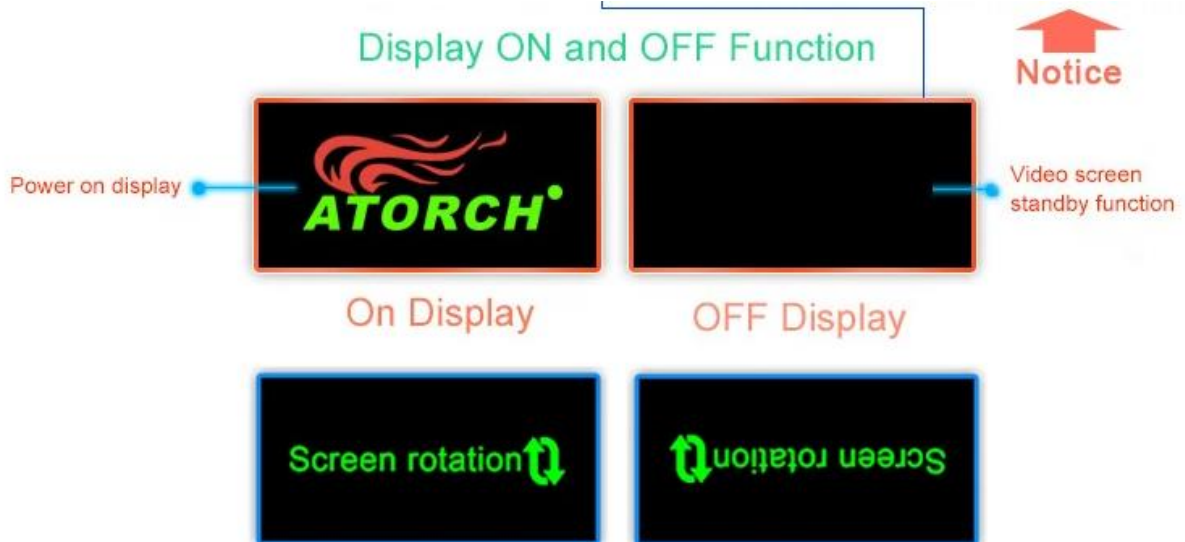
## USB four-wire detection interface



## Background calibration interface



## Display ON and OFF Function



U96 USB color tester can monitor the charging data of the mobile phone in real time, supporting QC3.0 (3.8~12V, +/-0.2 step)

Support QC2.0 (5V/9V/12V/20V), Android BC1.2 (5V), Apple 5V2.4A and MTK-PE (5V/7V/9V/12V)

Wait for the fast charging voltage range to charge!

**Support Huawei super fast charge detection**

Support various fast charge detections such as Huawei/Samsung/OPPO/VIVO, DCP (9V2A), SCP (4.5V5A)  
Super flash charging 4.5V5A, Samsung / Qualcomm 5V9V12V and other fast charging protocols

## General test various USB chargers

Through the constant current load, you can test whether the voltage and current power of its charger meet the nominal value.

Voltage measuring range: 3.60V ~ 32.5 V Resolution precision: 0.01 V  
Current measuring range: 0.00A ~ 5.00 A Resolution precision: 0.01 A  
Power cumulative range: 0 ~ 999999 WH Resolution precision: 0.001 Wh  
Capacity range : 0 ~ 999999 mA H Resolution precision: 0.001 Ah  
Temperature : 0 °C ~ + 80 °C Resolution precision: 1 °C  
D+ Voltage : 0.000V ~ 2.999 V Resolution precision: 0.001 V  
D- Voltage : 0.000V ~ 2.999 V Resolution precision: 0.001 V  
Load impedance: 0 ~ 999 ohm Resolution precision: 1 ohm  
Power metering range: 0 ~ 299.999 W Resolution precision: 0.001 W  
Timing maximum time: 999 H 59 M 59 S Resolution precision: 1 S  
Time to refresh: > 500 ms/time > 500 ms/times  
Measurement rate: 0.5 times/s  
Use large equipment of the same metal manganese bronze sampling resistor  
(1.0 mm diameter metal manganese bronze material < 0.05R)  
Product size: 65 x 24 x 14 mm  
Since the power flow: < 0.003 A ( < 3mA )  
Working temperature: - 10 ~ + 60 °C  
Working humidity: 10 ~ 80 (no doubt)  
The pressure of work: 80 ~ 106 kpa