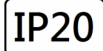# DIMON
TECHNOLOGY

MASTALE

DMX Master Controller

CE IP20 DMX 🏠

- ARM Cortex-A53 architecture, 64-bit CPU, 1.8GHZ main frequency, integrated Mali-T720 GPU.
- Dual 1000M network interface, support access switch, optical fiber transceiver and other network equipment.
- Output image 1920*1080, 30Hz.
- Built-in 4G mobile network module to realize high-speed mobile Internet function.
- Support copy U disk, TF card program files.
- Automatically import project routing files (DOT files).
- Support APP online debugging, DMX address writing, demo effects, etc.
- Realize remote cloud control through WIFI, 4G, internal network, etc.

MASTALE
DMX Master Controller

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Technical Data

Input Voltage	AC 100~240V 50/60Hz
Power	45W Max
Signal Mode	DMX512 (1990)
Maximum DMX Capacity	300,000 pixels RGB or 900,000 DMX Channel
SD Socket	1x32GB max
WLAN Interface	10/100/1000M Ethernet
Output Protocol	DMX512
Sending card network interface	Dual 1000M Ethernet
USB interface	USB3.0
Mobile Network	Support 4G networks of China Mobile, China Unicom and Telecom
DVI IN Resolution	1920*1080▯1280*720
Audio output	3.5mm Line out
Antenna	Mobile network / WIFI choose one
Weight	2.4 kg
Operating Temperature Range	-20 ℃ To +65 ℃
Operating Humidity	0~90%, non-condensing
IP RATING	IP20
Dimension	L496 x W 200 x H 44 mm refer to
Accessories	AC power cord, HDMI to DVI cable, 32GTF card
Certification	CE IP20 DMX 🏠

Project	Fixture#	Date
		Firm

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T E C H N O L O G Y

Ordering Information

Choose the option that suits your need and write its corresponding code on the appropriate line to form the product code.
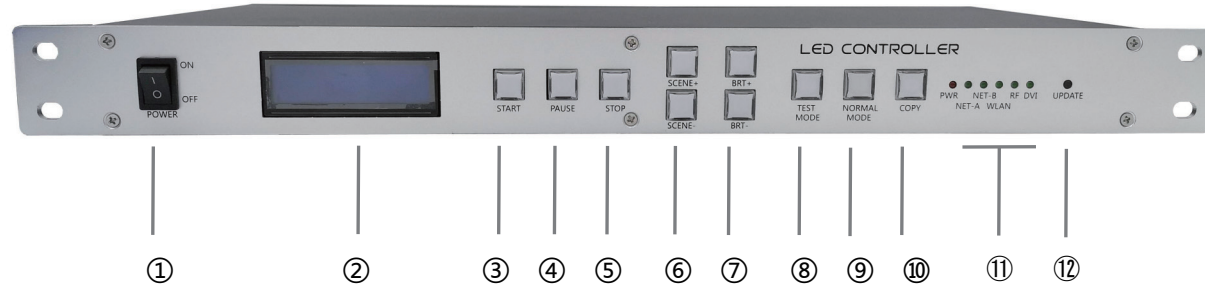
Example product code: MASTALE

MASTALE - ___MASTALE___

DMX Master
Controller

DMX Master Controller	
Code	Description
MASTALE	DMX Master Controller

Instructions

DIMON
T E C H N O L O G Y

## Front

①: Power switch: ON/OFF.

②: LCD monitor: Display current operation, normal file playback, system status and other information.

③: START: Play start button, play built-in program files.

④: PAUSE: Pause the current playback, and the display screen stops at the current frame.

⑤: STOP: Stop the current playback, and the display screen is a black frame.

⑥: SCENE+、SCENE-: Choose scene button.

⑦: BRT+、BRT-: Brightness adjustment, adjustment level 1-8.

⑧: TEST: Test mode, colorful jump, gradual change and other test effects.

⑨: N/A

⑩: COPY: Copy the play files of TF card or U disk to the controller memory. After copying is completed,
          you can unplug the TF card or U disk. (The controller supports internal playback and external U disk playback).

⑪: System status indicator. PWR---Internal power indicator.

   NETA、NETB--Sending card network output indication, connection is normal, the indicator light is always on,
              when data is sent, the indicator light flashes.

   WLAN--Wired external network access instructions.   RF--WIFI or 4G network access instructions.

   DVI--Sending card DVI interface status indication.
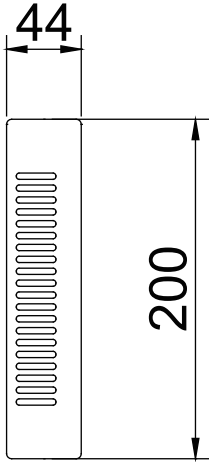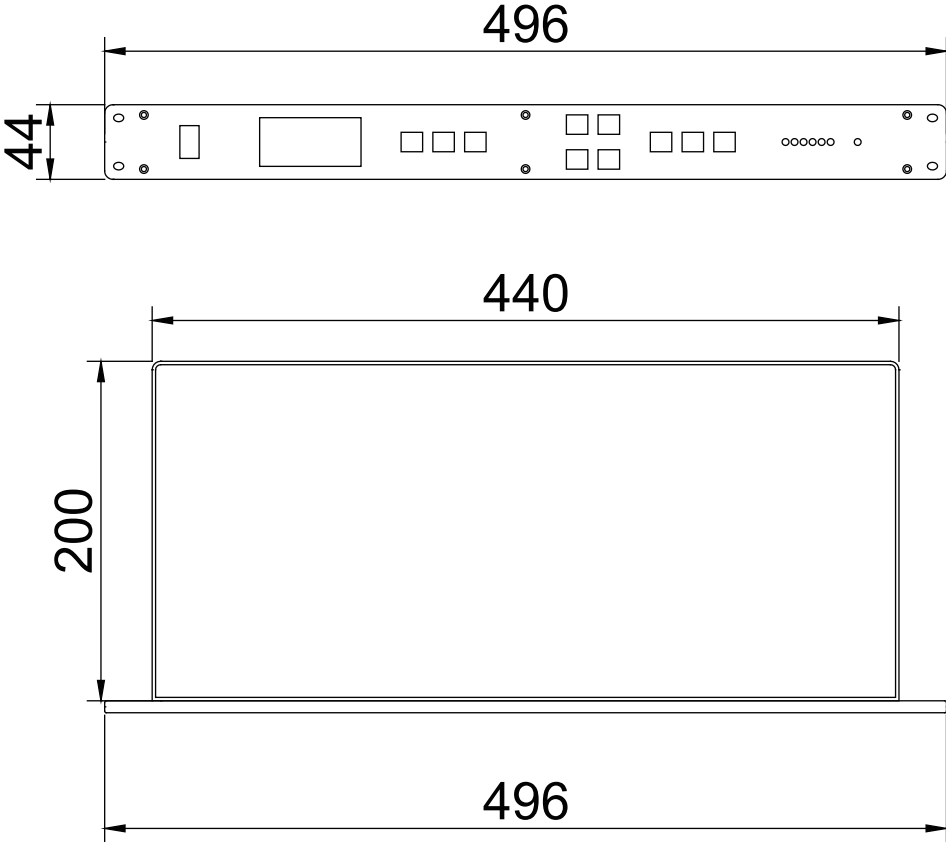
⑫: UODATE--Sending card parameter configuration button.

Instructions

DIMON
T E C H N O L O G Y

Back
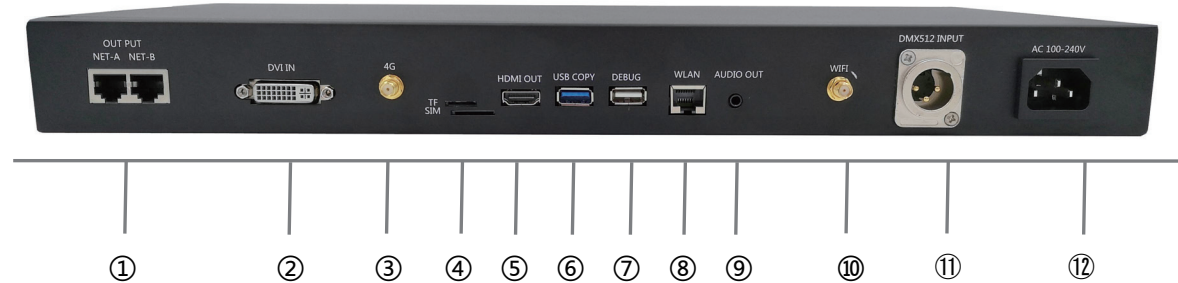
①: NET-A、NET-B: Network A and B port display data output, 1000M Ethernet, can be connected to
　　　　　　sub-controller or other network. Network equipment, standard 568B CAT-5E.
　　　　　　The A and B ports are in copy mode and the data is the same.

②: DVI IN: When sending DVI input, when using the internal playback of the controller, connect to HDMI OUT
　　　　with HDMI-DVI adapter cable. When using an external video source, it can be directly connected.

③: 4G: Antenna interface.

④: TF+SIM: TF external storage card + 4G mobile internet SIM card interface.

⑤: HDMI OUT: Controller player HDMI output, in normal use, need to connect to the sending card DVI IN.

⑥: USB: User USB, USB card reader and other interfaces support USB3.0.

⑦: DEBUG: System upgrade interface.

⑧: WLAN: Network cable Internet interface.

⑨: AUDIO OUT: Audio output.

⑩: WIFI: WIFI interface.

⑪: DMX512 INPUT: Reserve DMX512 interface.

⑫: AC100-240: The standard voltage of the power input interface is AC100~240V 1.0A 50/60HZ.

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496

44

440

200

44

200

496

Unit: mm