



User Manual: DMX-ART DMX Signal Analyzer

DMX-ART

DMX Signal Analyzer



User Manual

Congratulations on your purchase of the wireless DMX Signal Analyzer. This is a kind of signal analysis, testing and controlling equipment, which sets wireless DMX transmitter & Receiver, Wired & Wireless controller and DMX Signal Analysis and other more functions all in one. It is the DMX512 Expert around you.

This Wireless DMX Signal Analyzer integrates 3.5 inch HVGA display TFT screen and touch controlling technique. It displays clearly, delicately and colorfully. All measured parameters and controller's data are apparent to the eyes. Perfect DMX touch controller will bring you unprecedented convenience and pleasure.

DMX-ART can accurately measure the signal of Break

time, MAB time, Number of channels, and refresh rate. It helps you get rid of oscilloscope and step into a visual age. DMX-ART has built-in Li battery with high energy and capacity. It can work lastly without power adapter. What's more, it is also a wireless transceiver with signal analysis displaying, which makes your wiring work simpler.

For completed Operating Instruction and device's functions, please read this brochure carefully.

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Attention

- Please keep the product far away from the heat. It should be away from the heat producer. Heat will not only aging the item but also debase the performance of battery. What's worse, it may lead breakdown or even the fire disaster.
- Please shutdown the product at the place where

show the slogan of “Explosion Zone”, “May Burst Area” and “Turn off the wireless transceiver” or somewhere such as Hospital, Gas Station and Airport.

- It may effect some medical electronic equipment such as hearing-aid and heart pacemaker and so on. Please comply with the warning slogan and the manufacturer's suggestion.
- Please be sure to use the attached power adapter. It might damage the device to use the power adapter without approval.

Statement

- We will keep improving and developing our products. We reserve the right to modify and improve the described item in this document without notice in advance.

- This document is provided according to the current status of product. Unless otherwise provided by applicable law, we do not make any type or implied warranties to the accuracy, reliability and content of it, including but not limited to the warranties of merchantability and the purposes of specific application.
- In any case, we do not take responsibility on the loss of data, property and revenue, or any special, incidental, consequential or indirect damages, whether the loss caused by any reason.
- The availability of particular products may vary by region. Please check with adjacent dealers we designated.

1 Introduction

1.1 Features

Wireless DMX-ART is a kind of signal analysis, testing and controlling equipment, which sets wireless DMX transmitter & Receiver, Wired & Wireless controller and DMX Signal Analysis and other more functions all in one. It is the DMX512 Expert around you.

- ☐ High precision CNC machined aluminum shell, elegant and durable.
- ☐ TFT + Touching Screen, flexible and efficient touch controls make DMX into visual age.

- The industry's first DMX signal analyzer, accurate measurement of various DMX parameters.
- Comes with wireless controller and wireless DMX monitoring function, so everything is under controlling.
- Built-in high energy lithium battery, working long hours to meet your needs.
- Compatible with LC-512X(The wireless transceiver from our company)

1.2 Specifications

- Band: 2.402GHz – 2.480GHz
- Modulation: GFSK
- Power: DC 5V \pm 10%
- Battery: 1800mAh Li battery
- Size: 115 x 68 x 33mm

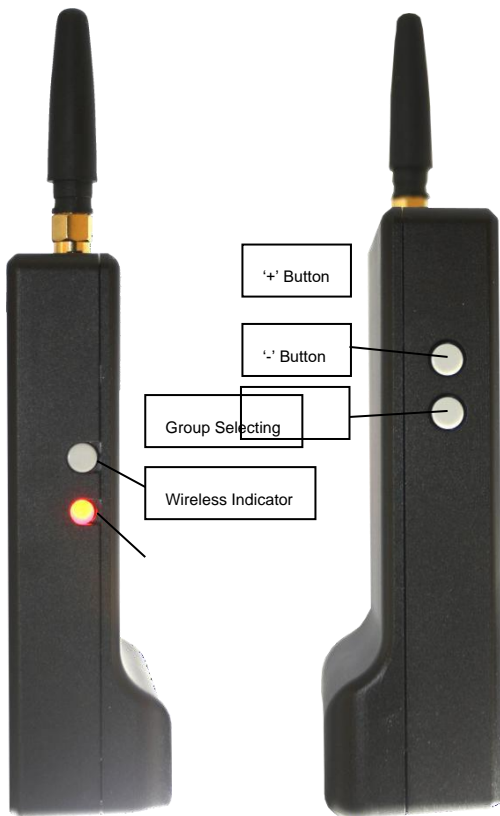
1.3 Packing List

Delivery includes:

- | | |
|-------------------|------|
| (1) Host | 1pcs |
| (2) Power Adapter | 1pcs |
| (3) 2.4G Antenna | 1pcs |
| (4) User Manual | 1pcs |

1.4 Interface





2 Operating Guide

2.1 Indicator Description

Name	Action	Status Description
Charging Indicator	Yellow	Charging
	Green	End of Charge
	Red	Charge Suspended
	No Light	Fault/Disable
Wireless Status Indicator	Red,Green,Blue Yellow,Cyan, Purple	Wireless Groups

	Red Flashing	Transmitting DMX
	Green Flashing	Receiving DMX

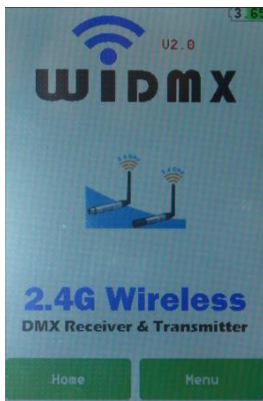
2.2 Startup & Shutdown

Startup: Press the power button until power on

Shutdown: Press the power button until power off

Note: The unit will keep charging until full charge for the built-in battery when power off.

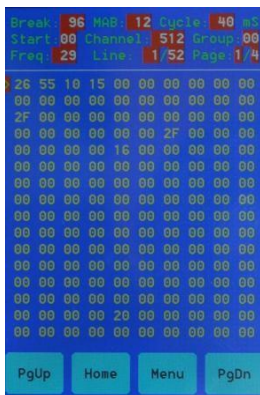
2.3 Users Interface



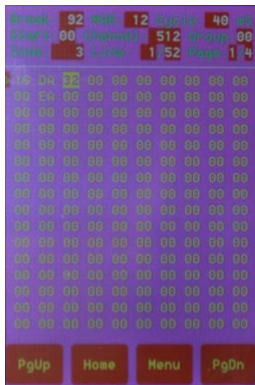
Startup Picture
2 buttons on
the bottom of
screen



Main Menu
Press each
button to enter
according
functions



DMX Signal
Tester interface
It can analyze
all of DMX
parameters



DMX console

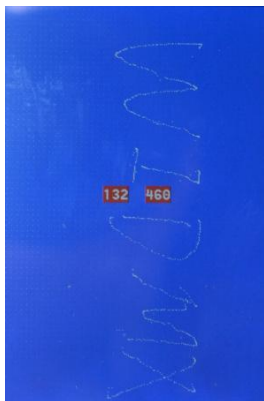
Click the data

and use the

'+', '-' buttons

to adjust the

parameters



To test the
touch operation
Press '+', '-' exit



Calibrate the screen

**Besides entering
from main menu,
you can also press
the screen and the
power button at the
same time to enter
the calibration
interface directly**

3 Applications

3.1 DMX signal analyzer

（ wireless transmitter ）

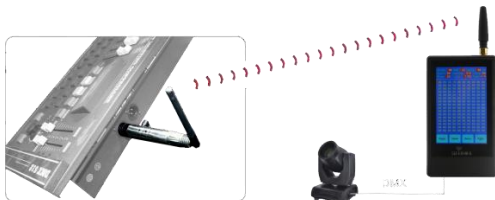
DMX-ART can accurately measure various parameters of the console, including Break, MAB, number of channels, refresh rate and other parameters. All DMX data visualization. while it act as a wireless dmx transmitter, compatible with LC-512X.



3.2 Wireless signal analyzer

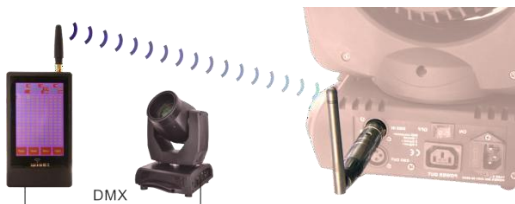
◁ wireless receiver ▷

DMX-ART can be used as a wireless DMX signal analyzer, through its high resolution TFT screen, you can clearly understand the operating frequency of the wireless network, clearly see the wireless network frequency agile process. DMX real-time monitoring of various parameters and data. a machine in hand, don't worry wireless.



3.3 DMX512 Wired/Wireless touch controller

DMX-ART can be used as an accurate DMX signal generator via a touch screen adjustments include break, MAB, number of channels, refresh rate and other DMX parameters, it can be used as a simple console. it can also be used for DMX512 debugging.



4 Maintenance

- Please storage and use the device within required temperature. Device may damage if the temperature is too high or too low.
- The device do not support Water-proof function. Please keep the item and accessories dry. Please do not use it in bathroom or other place with high humidity. Do not let water or other liquid seep into the device, or it may be damaged.
- Do not place and use the device in dusty place.
- Please use the soft slightly damp cloth clean the shell. Do not use alcohol, acetone and other similar diluents solution to wipe the shell.

- Please do not open the shell to repair the device.
If the device can't work well, please handle it according to "Problem Solving". If it still can't work well, please contact with the dealer as soon as possible.

5 Problem Solving

No,	Phenomenon	Probable Cause	Suggestion
1	Touch invalid	Insufficient pressure	Press Harder
		Fingers are too thick	Try sharp objects
		Low Battery	Recharge
		Touch drift	Calibration

		Screen damaged	Contact service Dept
2	Battery standby time short	Battery aged	Change Battery

Note: Please contact with the dealer or after-sale service in advance if the above operating can not repair the problem.



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