



BX-YL Specification

Version : V1.3 Release Date : 2020.09.25

CATALOG

About software.....	1
Product photo.....	2
Characteristic.....	3
Guiding.....	4
Safety Notes.....	4
Function instruction.....	5
Support WiFi.....	5
Multiple communication mode.....	5
Large storage capacity.....	5
Support 4G and GPS.....	5
Abundant 3D stunt.....	6
Support database.....	6
Flexible program release methods.....	6
Online update firmware.....	6
Timer switch screen.....	6
Second Development.....	6
Technical specifications.....	7
Dimension diagram.....	8
left panel diagram.....	9
Right panel diagram.....	10

Brief Introduction

Thanks for ordering LCD control card. The design of the control card is according to the international and industrial standard, but if the operations are incorrect, it will probably bring you personal injury and financial harm. As to avoid these and win more from your equipment, please obey the specifications of this file.

About software

Any companies or privates cannot copy, transcribe or translate part or whole content of this file without our written permission. And cannot use it on any business or benefit filed with any forms. The specifications and information which are mentioned on the file is for reference only, if there's update, we will not inform you. This file is only for guidance, and all information will not be for any promises.

Product photo



Characteristic

- ◆ Standard WiFi, 4G and GPS are optional
- ◆ Support 3D effect.
- ◆ Support USB disk and SD standard 8Gb memory, can support 256GB by SD card
- ◆ Support group controlling, group sending program.
- ◆ Support updating firmware online.
- ◆ It supports one channel of 4K HD video and two 1920 channels × 1080@60Hz Or four 1920s × 1080@30Hz The controller supports 1-way 1920 × 1080@60Hz HDMI output, can be connected to LCD screen.
- ◆ Support image&text area, subtitle area, video area, lunar, clock, timing, temperature, humidity, announcement, weather broadcasting.
- ◆ Support database area, used for high-speed train, hospital, bank ,etc.
- ◆ Offer C#, JAVA, VB, C++ second development tool.

Guiding

Safety Notes

- ◆ Input voltage is 12V, please make sure the quality of the power supply of BX-YL .
- ◆ Please make sure that all the power supply cables are plugged off when you want to connect or plug off any signal or controlling cables.
- ◆ Please make sure that all the power supply cables and signal cables are plugged off when you need to put in or take off the hardware equipment.
- ◆ Please make sure the environment is clean, dry and ventilated when you use this product, also, do not put this product to a high temperature and wet environment.
- ◆ This product is electronic products, please keep away from fire, water source and flammable&combustible products.
 - ◆ There' s high pressure components in this products, please do not open the box and repair it by yourself.
- ◆ Turn off the power supply immediately when you find smoking, peculiar smell or something unusual. And contact with us soon.

Function instruction

Support WiFi

The controller is on board external WIFI module. Built-in WIFI both as a hot spot (AP), but also as a terminal. Supports external 4G routers. For the general network topology, users can use the network cable directly access the router or switch, and management PC communication. For short-range wireless applications, the user can open the controller built-in WIFI, access to their own routers, to achieve online control management. Users can also open the controller's WIFI hot spots, access to their own PC controller, to achieve management control. For the controller hot spots, the user can set the password, the rights management.

Multiple communication mode

It has different type of control platform, including PC software LedshowYQ, iLEDCloud platform , iLEDsys system.LedshowYQ is used on PC , it can support windows XP, win7, win10 and other mainstream operating system. The software provides a comprehensive, rich controller configuration, programming, program release function. iLEDCloud platform is an online multimedia information publishing platform, its core server pinned on the Alibaba cloud, providing excellent reliability and stability. Users only need the browser to use the platform, you can remotely edit program, preview the program, scheduled fixed-point playback. Users can log in via phone, pad and pc. If you use LAN, you can choose our LedshowYQ software to manage. Or you can use our iLEDCloud platform, manage by web browser.

Large storage capacity

Built in 4G storage for high resolution video. And support extending to 256GB.

Support 4G and GPS

4G and GPS function is optional, users can use for vehicle-mounted screen. Controller connects with GPS antenna, log in iLEDCloud, then you can edit program remotely, preview, play program at the fixed time, fixed place, also you can lock the screen location in iLEDCloud satellite map page when controller obtain location signal.

Abundant 3D stunt

Support graphic text, subtitles, video, lunar calendar, dial, timing, temperature, humidity, announcements, weather forecasts areas. Text areas can be pictures or text, supporting a wealth of special effects, including curtain, pan, laser, mosaic, shutter and other common effects. Controller built-in GPU (graphics processing unit), support Abundant 3D stunt and FLASH subtitle.

Support database

The controller will support database area, supports multi-page display, supports MYSQL, SQL server and other format database in the near future.

Flexible program release methods

Users can use PC software LedshowYQ to add ,edit , preview, release. If network is not convenient, users can also use U-disk to import programs or plug-in and display.

Online update firmware

Support remote upgrade firmware, users can use PC software LedshowYQ, iLEDCloud platform to upgrade the latest firmware, to enhance controller functionality, performance, solve bugs. The controller has built-in logging function, it can record various important events, and support remote consult, analyze and solve the fault.

Timer switch screen

The LedshowYQ software support timing switch screen. After setting the turn on and www.onbonbx.com 11 11 turn off time, the computer will turn on the machine on time and automatically. It can make use of manpower and material resources reasonably, and greatly improve the service life and reliability of the display screen. When the user is inconvenient to operate on the side of the computer, this function can better realize.

Second Development

Support dynamic area, offer C#, JAVA, VB, C++ developing tool. Support C++ development on Linux system, we opened communication protocol, and support http protocol, users do second development for our controller according to your requirement as to realize some special functions.

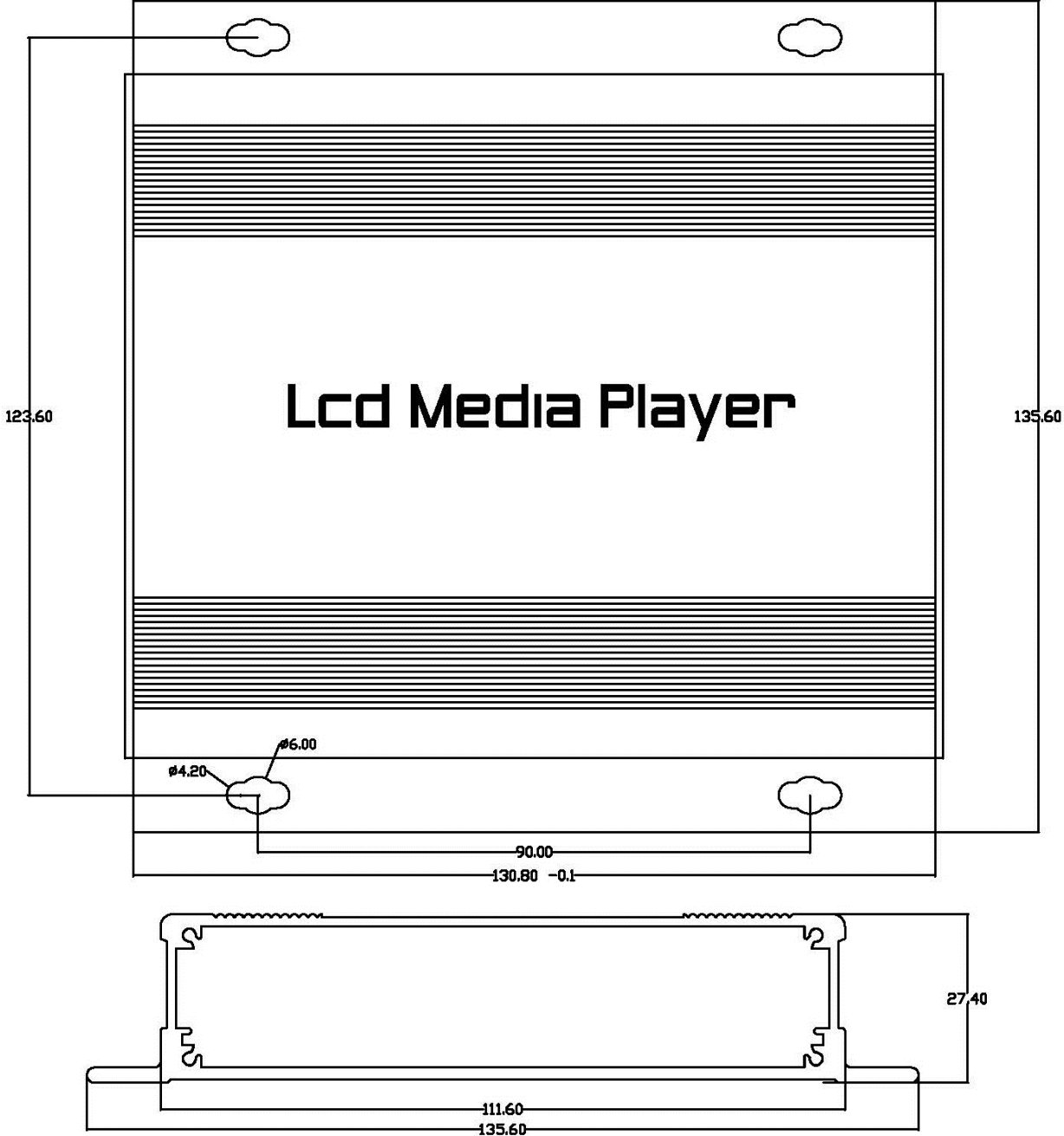
Technical specifications

Screen index	
Parameter	Specification
Hardware configuration	1.5GHz 4 core Cortex CPU , 4K 10bit HD RHD hard decoding playback
Storage	Standard 8gbyte flash, user's optional SD card, support 256gbyte storage expansion
Resolution	1920*1080
Input interface	1nos gigabit network port
Output interface	1 nos HDMI out

Product specification	
Input power supply	12V
Power Dissipation	≤15W
Temperature	-35℃ ~ 75℃

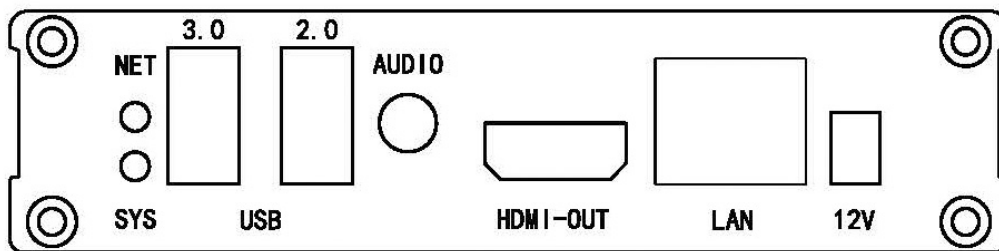
Dimension diagram

单位: mm



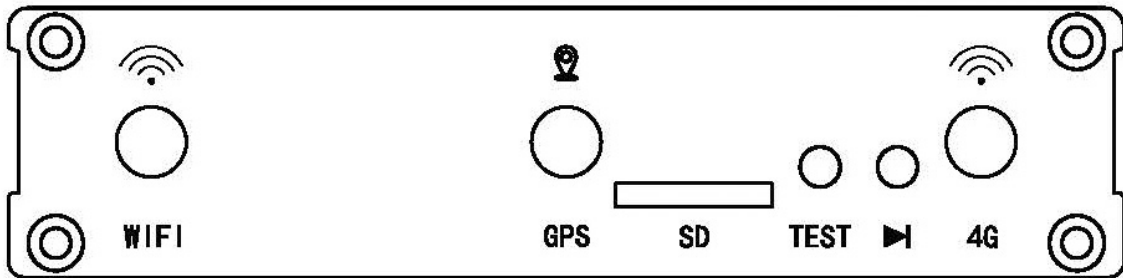
Interface

left panel diagram



Key instruction	
NET	Network and fault indicator
SYS	It will flash twice a second,If the controller works normally
USB3.0	USB3.0 interface, which can be connected to U disk, and connected to environmental sensors through USB to 485 adapter
USB2.0	USB2.0 interface, which can be connected to U disk, and connected to environmental sensors through USB to 485 adapter
AUDIO	1 nos audio output
HDMI-OUT	1 nos HDMI output
LAN	1-nos Gigabit Ethernet interface to connect computer
Input voltage	12V

Right panel diagram



Key instruction	
WIFI	Connect 2.4GHz WIFI antenna
GPS	Connect GPS antenna
SD	SD card slot, storage expansion slot
TEST	Test button
▶	Switch programs
4G	Connect 4G antenna

Shanghai ONBON Technology Inc.

Address: 7 Floor, Tower 88, 1199#, North Qinzhou Road,
Xuhui District, Shanghai City, China

Website: www.onbonbx.com



ONBON Wechat number

ONBON (Jiangsu) Optoelectronic Industrial Co.,LTD

Address: 1299#, Fuchun Jiang Road, Kunshan City,
Jiangsu Province, China