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Turkey&Iran&Helladic Area Latin America & Oceania

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BUILDING AND HOME AUTOMATION CONTROL SYSTEM

HDL-BUS PRO

HDL-BUS PRO

Building and Home Automation Control System

HDL social media and more...

We, the team at HDL, are pleased to invite you to join us in the social media community. As a HDL customer, you are very important to us, and we look forward to assisting you however and whenever we can. We invite you to explore our solutions, learn more about us online, and connect with others who can inspire and help you. Follow us on Facebook, Twitter and YouTube!

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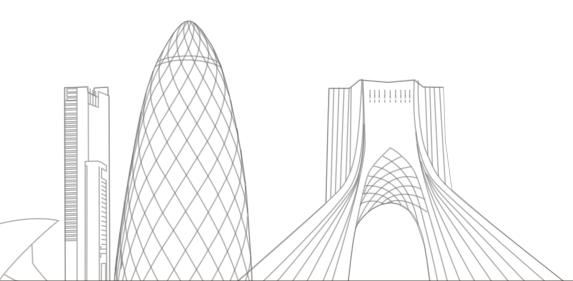


HDLChina



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Company Profile

HDL is an international company which has prided it itself on providing the highest possible level of professional service since 1985.

With its headquarters based in Guangzhou for manufacturing, distribution and integration solutions, HDL has become one of the main participants on the international scene of home and building automation and stage lighting.

Due to the reliability of the HDL BUS Pro, we have developed several different kinds of projects, ranging from a smart house in Norway, through a luxury hotel in Dubai and a lighting control system in the famous Sydney Opera House, to the biggest international events, such as the Shanghai Expo 2010.

The HDL brand has been widely distributed around the world, and is available in more than eighty countries, through various dealers, integrators and distributors.

We are proud to state the reason why we have become a top company in the sector. Caring about our customers is our priority, and we are always searching for the next innovative step to provide our customers with a customised solution for their homes, and the most productive and energy-efficient solutions for their businesses.

A powerful R&D Department

The aim of HDL is to accelerate the worldwide transition to the full automation of homes and buildings, with a full and diverse range of increasingly-affordable HDL-BUS Pro products. To this end, our engineers constantly work on the cutting edge of innovation, looking for the next challenge to create products with new functionalities, more customisable for our customers, and widely compatible with the different technologies available in the market.

Excellent Technical Support

The best way to recognise good service is, of course, to have experienced bad service in the past, and then to experience good service to compare it against. We are confident that you will only ever experience the highest level of service with HDL. If any of your products do give you any problems, you should be able to find the solution as quickly as possible. Your time is valuable to you and us, and it should not be wasted.

Our team was designed and constructed to work closely with our R&D department. We are able to provide a fast and very direct technical support service which will help you with your installation, configuration, and all types of issues that may present themselves.





Advantages of HDL



VALUE



- Best Price-Quality / Functionality Ratio .
- Highest cost-performance in the market.



SERVICE



- Fast and decisive Technical Support service.
- Customization of our products, materials or design on customers request.
- Possibility to provide OEM solutions.



DELIVERY

- Quickest delivery in the market. Ready to delivery to whichever part of the world.
- Availability of shipping by plane and ship.
- Free shipping only in case of manufacturing defect.



HDL® | GLOBAL POSITION





Would you like to become an HDL Member?











An interesting and promising business opportunity is waiting for you. Contact with us: sales@hdlchina.com.cn



- HDL is an international company with a presence in more than eighty different countries all around the world.
- Its headquarters are situated in Guangzhou, with offices in Oslo, Dubai, Munich and London.
- HDL's distribution network covers the whole world, with more than 200 dealers and distributors, and over 1,000 installation designers and electrical installers.

HDL* \03 04/HDL

BEIJING GREAT HALL OF THE PEOPLE



BMW WORLD MUSEUM IN GERMANY

M DMX SHOW CONTROL PROJECT









From 1995 to the present

The largest and most outstanding stage lighting control system in China was built by HDL.

HDL provided 95% of the stage lighting solution for this iconic building, which is used for legislative and ceremonial activities of the Communist Party.

From 1995 until the present, HDL has been the company in charge of maintaining, checking over and upgrading the intelligent control system, which has more than 6,000 different lighting channels, and stage lighting with more than 20,000 lamps.

The whole of the intelligent control system is managed through Ethernet, and from the control center we can monitor the state of each single device and lamp

HDL was not only focused on the improvement of the stage lighting control system, but also enhanced and optimized the energy-saving aspect of the project.

2006

The BMW Museum Center is the symbol of Munich. The modern museum is located at the Olympic Park, and is a reference model for multi-functionality in building, as well as a great example of an energy-saving system.

Eventa AG, as the construction contractor, selected HDL to provide the DMX Lighting Control solution for the spectacular glass showroom.

In this case the customer asked us to keep the balance between outdoor and indoor lighting through a huge sensors system connected by HDL-BUS Pro.





HDL* \05

GUANGZHOU ASIAN GAMES PROJECT





■ BUILDING AUTOMATION CONTROL PROJECT
 ■ BUILDING B









2010

In 2010, Guangzhou celebrated the 16th edition of the Asian Games (ASIAD), the best Asian Games so far. This was a massive event unprecedented in both size and scale. HDL contributed to this success by implementing their solutions for the Asian Games Village.

HDL provided the home automation for all the apartments in the Asian Games Villas. The solution chosen by the organization was an integration of lighting, curtains, AC, background music, video, security, monitoring systems, intercom, and door access, with everything controlled by HDL's app for tablets and smart phones.

2010

Shanghai became the capital of the world during the world Expo in 2010. The theme of the exposition was "Better Life—Better City" and it had the largest number of countries participating, and was the most expensive Expo, in the history of the world, with more than 73 million participants.

HDL was the company selected to integrate the solution for the most important building in the nationalities area, the China Pavilion, and also the China Aerospace Pavilion in the cooperates area.

HDL implemented and displayed an outstanding outdoor lighting effects, controlled by a combination of lighting network systems which covers the whole area of the World Expo Park.

The company achieved the target of making unique buildings which captured the attention and imagination of all the visitors, and HDL became established as an expert and reliable company for urban outdoor lighting landscapes, and stages for massive events.





HDL*\()7

VIETNAM GRAN HO TRAM STRIP CASINO HOTEL

LUXURY CASINO HOTEL AUTOMATION PROJECT

PARK HYATT SYDNEY HOTEL

LUXURY RESORT HOTEL AUTOMATION PROJECT









2013

HDL's Hotel Guestroom System was implemented in all of the 541 guest rooms in the hotel, in the biggest resort in Vietnam. This included: integrating lights control and AC control; clean room notifiers; provision of room status to reception (mostly used to prepare services in advance); motion sensors; dry contact modules for integration with doors' magnetic sensors; and door bells with DND service (Do not Disturb showed at the door's bell display).

The big challenge for HDL was to satisfy the requirement from the customer to make HDL's Hotel System compatible with the software used for the general management of the hotel, a hospitality ERP from the USA. Our engineers started to work right away, and HDL achieved the target with a high score. The customisation for the client was highly successful, and ready on time.

Furthermore, when the guest is checking in or out, the reception staff can remotely control all the room's functionalities from reception in order to prepare the room for a warm welcome to the customer in the case of check-in, or to save energy by switching off all the lights in the room after the customer has checked out.

2012

We've good news to share with you! HDL's Hotel system was successfully integrated into the Park Hyatt Sydney, by our HDL Partner in Australia – SFERE Group Australia Pty Limited (HDL Australia). Park Hyatt Sydney's newly-designed guest rooms are in residential style, offering contemporary luxury and elegant solutions for the room control through the HDL Hotel System. The guests can enjoy the simplicity of control of HDL, combined with the exclusive views from the balconies situated in the famous harbour which houses Sydney's iconic Opera House.

The solutions that you can find in the rooms are a control panel inside the room from which the customer can display the room status on an external doorbell display; and lighting and curtain functions that can be controlled from within the room from the room controller designed by HDL.

The system brought a minimalist and elegant but homely style to both customers and hotel workers. Different scene modes such as Read Mode and Night Mode make the otherwise complicated on/offs easier and more attractive for the guests

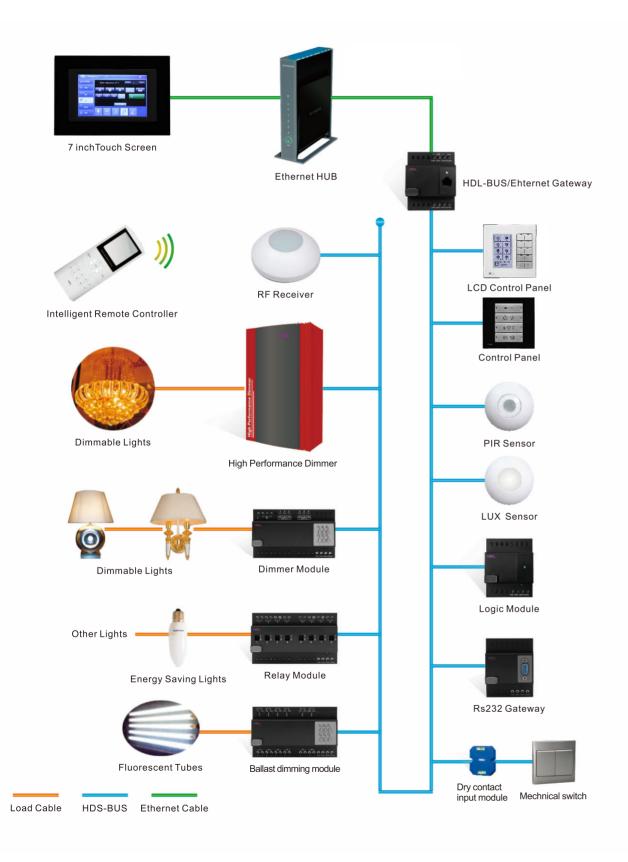


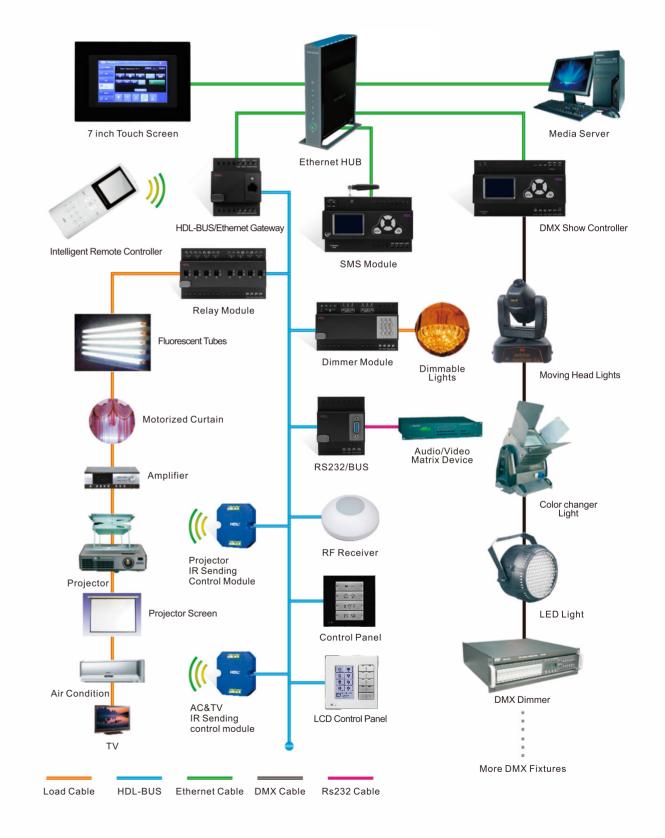


10/HDL



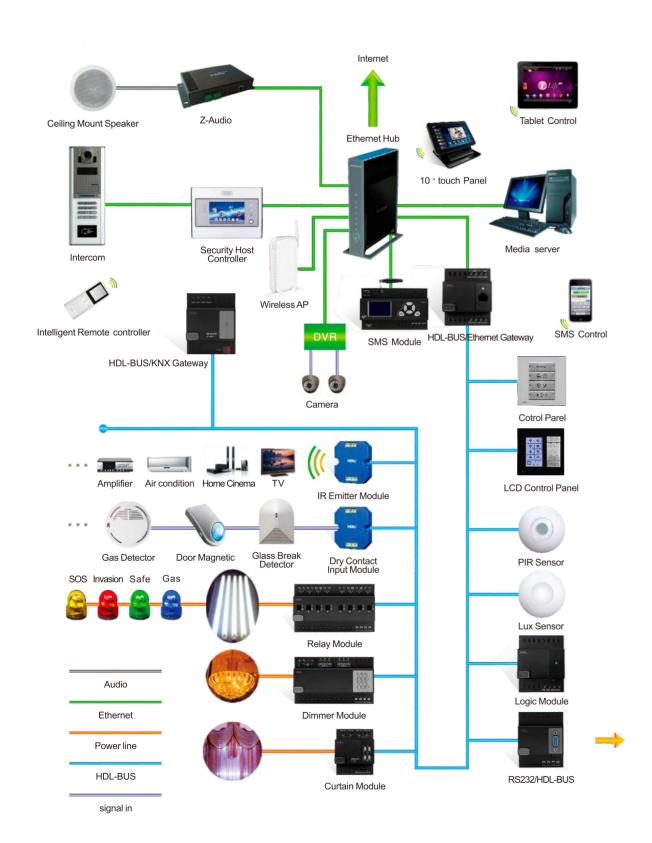


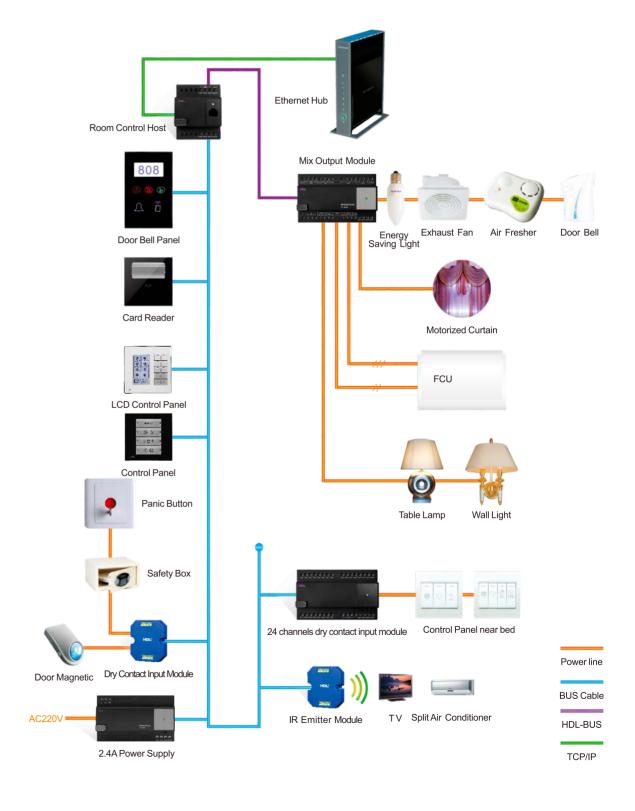














WELCOME TO HDL's SHOWROOM

In HDL we think the best way to showcase our products is to allow you to experience them as if they were in your own home. We do this in our comfortable showroom which is situated in Guangzhou, China.

All our guests will feel and test the HDL-BUS Pro technology in all the corners of this smart house, which you are cordially invited to visit, to experience the exciting home automation in its pure state. 66 Designed to stimulate your ideas and be a source of inspiration 99







We are eagerly looking forward to your visit. We would love to have you as our special guest!



66 Take a closer look to see how home automation equals comfort and luxury *9



66 The HDL-BUS Pro training sessions and celebrations take place in the multi-functional auditorium room >>



Feel how different scenes can create different environments and moods in your home.

We display useful innovative features, helping you to identify a design with functional benefits to suit your own needs.





HDL \15

INTERNATIONAL TRAINING FOR HDL-BUS PRO

Join the International HDL-BUS Pro training and get the official HDL high-skilled user certification.

Also visit our factory and learn how the products are created, and how quality control is performed; because the best way to know how HDL-BUS Pro works is to learn it from the engineers who have created it.







Characteristics of the HDL-BUS Pro training

- Every year we arrange three or four international training sessions.
- The training sessions are delivered through fluent English.
- Different levels: basic course and advance course.
- HDL provides special training for repair parts.
- HDL helps you to arrange all that you need for your trip.
- HDL also provides training in other countries: ask your distributor for details.



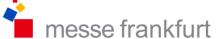
INTERNATIONAL EXHIBITIONS



HDL attends different theme exhibitions and fairs. HDL's attractive booth displays different solutions tailored to show the most relevant aspects of HDL-BUS Pro to suit the topic of the specific event, to catch the attention of the new customers who still don't know about HDL-BUS Pro

HDL is always present at the most important events and exhibitions







International exhibitions in which HDL has been presented

Grand Designs Live 2013

May 2013 in London, UK

Consumers Electronics and
Home Automation



Eliaden Expo

June 2012 in Oslo, Norway **Home Automation**



Building Technology Expo

June 2012 in Jakarta, Indonesia **Building and Home Technology**



Predialtec Expo

August 2012 in Sao Paulo, Brasil **Intelligent Building**



The 12th Iran Building Expo

September 2012 in Tehran, Iran **Building Industry**





Control everything from everywhere

CONTROL ALL THE FUNCTIONS OF HDL-BUS FROM YOUR SMARTPHONE AND TABLET

HDL i-Life App Systems Supported: (iOS + iii) CINDROID















Lighting

• DVD

Curtain



Lighting



Blind



Climate





Floor

Heating



Backgrond Music



Security



Multi Media Ventilation







Irrigation And More..

Description

Nowadays, consumers look for comfort and simplicity. This concept, extended into the home and building automation field, means the ability to have full control of HDL-BUS Pro functions from the everyday devices that everybody has always on hand, like the smartphone or tablet.

i-Life is an app developed by HDL's engineers specially for HDL-BUS Pro. With an attractive design and friendly user interface, it is perfect for all kinds of people, whether or not they are familiar with the technology. Everybody will enjoy the power of controlling all the functionalities within their house or business with the flick of just a few buttons







Universal Visualization & Control Software

CONTROL SOFTWARE FOR HDL-BUS PRO

















66 Control your entire home automation system and audio/video equipment from an user-friendly interface ??























V2.1



- HDL-BUS Pro
- KNX
- Crestron
- AMX
- Modbus

- Teco
- iNELS
- Helvar
- Domintell
- Lutron

Any Audio/Video equipment and Media Server

20/HDL* HDL* \19

HDL®

HDL MUSIC PLAY BOX

HDL music play box is an elegant device to manage your music and playlists from many different sources. The client can create a personalised environment in which to enjoy their favorite music.

HDL Audio Amplifier provides an excellent solution for you in those places where you need to use more power to supply your music equipment.

NEW PRODUCT

MZBOX.20





NEW PRODUCT

MZAP.20



Parameters

Power Supply : DC24V
Static Power: 1.6W
Audio input Voltage: 0.7VPP
 Input Resistance 50KΩ
 Output Resistance : 32Ω
Output Power : 20mW × 2
Harmonic distortion: < 0.05%
• SNR: 97dB
Frequency Range : 22Hz - 20KHz
 File name length : ≤25 bytes
Music Format:MP3
SD Card Capacity: ≤ 32 G
• Dimension: 180mm×180mm×37mm
Communication : FTP, UDP

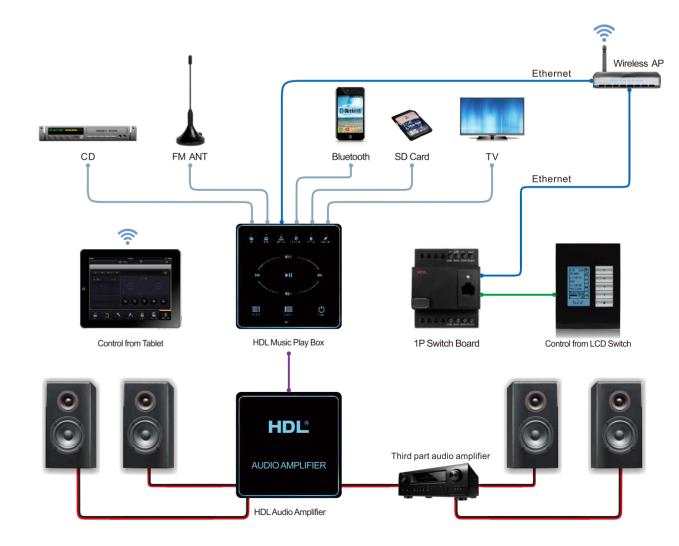
Functions

External Input: Availability to connect any external input through
Mini Jack Port, Audio IN port/Audio OUT port
Internal SD Card: Up to 32 GB
FTP Server: Availability to use FTP/UDP remote server through
Ethernet
FM Radio: Possibility to use external FM antenna in order to
improve the signal
Bluetooth input: Supports Bluetooth 2.0
S/PDIF Optical Fiber Input: Supports S/PDIF Optical Fiber Input
Capacitive touch buttons: Easy to control music play box locally
Dry contact to control audio amplifiers
Availability to use IR emitter to control devices such as DVD,
third part audio amplifier
The Touch Panel technology adjusts automatically to the changing
environmental conditions such as humidity and temperature.
Supports online upgrading.

Parameters

Power Supply : DC24V
Audio input Voltage : 0.7VPP
• Audio output Resistance : 32Ω
• Output Resistance : $RL = 4\Omega$
RR = 4Ω
Output Power=50W × 2
Harmonic distortion < 0.05%
• SNR=97dB
 4 class Gain control,: 25.6dB, 31.6dB, 35.6dB, 37.6dB





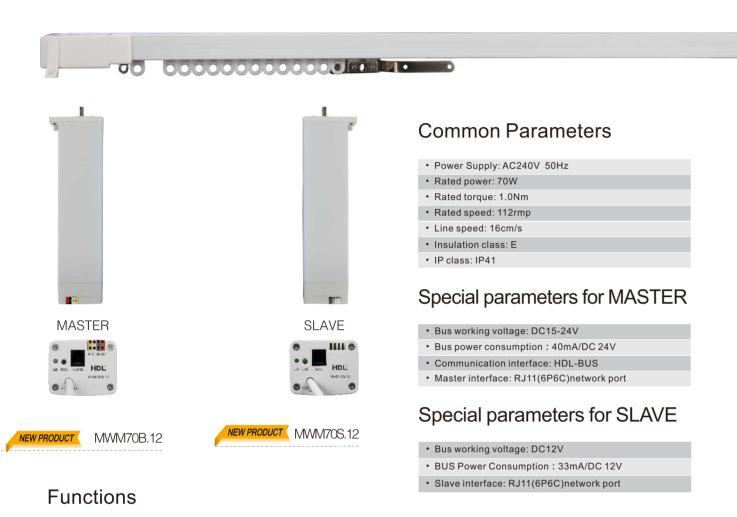
HDL NEW PRODUCT

Supports the following control commands: Open, Close, Stop and Percentage

included additional pieces to adjust the curtains to the supports

Easy programming for control panels and switches

1 CHANNEL MOTORIZED CURTAIN





- Direct-powered by 220V AC, Maximum pulling force 8Kg(one motor), maximum curtain weight 50Kg (one motor), 80Kg (2 motors).
- Built-in new generation clutch, precise planetary reducer, noise level 40dB.
- · Percentage control enabled.
- · Drag and run enabled, can be disabled.
- Multiple user interfaces, HDL panel, iLife on iPad, Touchlife on Android pad, Touchlife on 7-inch touch screen.
- Suitable for all small to medium-scale curtain applications, linear and arched, one- and two-side opening.
- Recommended maximum track length 12m; refer to load curves below









Over LOAD protection. The curtain will stop in case of external disturbance Over HEAT protection. In case of high temperature, the motor will switch off temporarily

Trigger manually the Open and Close of the curtain

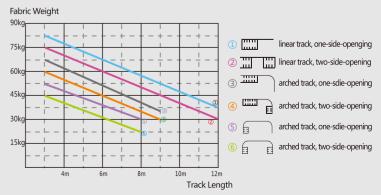
Solid and robust structure with modern style

The position of the curtain can be measured and displayed in user interfaces



Load curves(one-motor type)

Load curves(two-motor type)



Motor running mode: forward or reverse

Supported Master and Slave mode

Extremely silence working mode

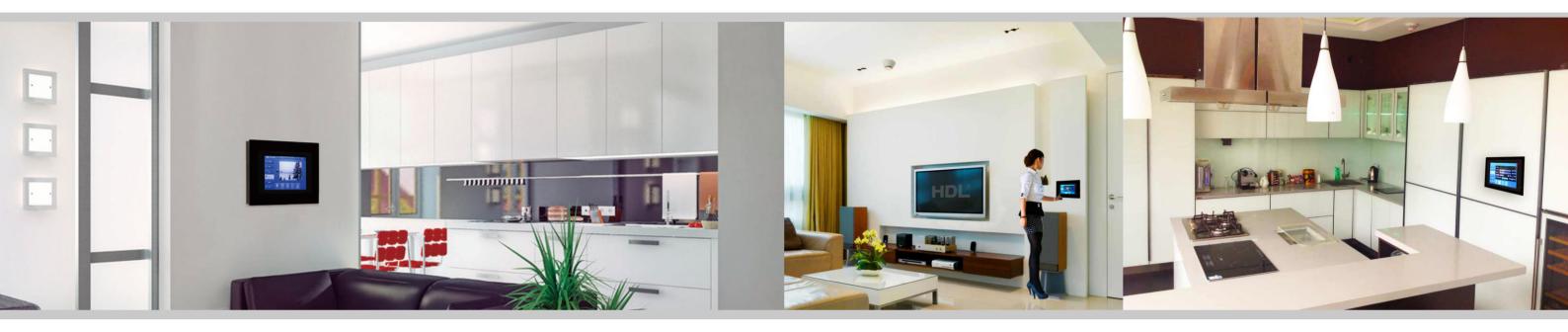
Controlled by HDL-BUS Pro

Online upgrade available

24/HDL

7" Color Home Control Touch Screen

SB-WL-TS7



SB-WL-TS7



- Full Control of all the HDL-BUS Pro devices from your Touch Screen
- User Friendly Interface for all ages
- Elegant Frame, also availability to customize frame and color

Parameters

- Power supply: DC24V
- Bus Power Consumption: 200mA/DC24V
- CPU:667MHZ
- FLASH ROM:256M NandFlash
- SDRAM:128M DDR
- USB Port and SD Card Port
- Operation System: WindowsCE6.0net
- Ethernet Interface: RJ45
- Installation : Embedded Install
- Dimension of Touch Screen: 254×174×30(mm)
- Dimension of wall back box : 238×161×40(mm)







- Main interface
- Scene Control
- TV Control



Lighting



Blind



Climate







Security









Multi Media Ventilation Irrigat

Irrigation And More...

Touch Buttons Switch

MPT4.48



MPT1.48 / MPT2.48 / MPT4.48





The back-light button lights up when it is touched

Each touch button has two-colour custom status which can be infinitely adjusted via the RGB value. The Touch Panel technology adjusts automatically to the changing environmental conditions such as humidity and temperature. Also other parameters such as the back-light's brightness and saturation are adjustable.

■ The color, icons and pattern of the plate can be customised









Based on your personal favorites or your requirements



Orange Glass





Light Green Glass



Golden Glass



Status without backlight color



Parameters

- Power supply: DC12-30VBUS power consumption: 20mA/DC24V
- Installation : Standard GI and EU box
- Dimensions: 86×86×10.5(mm)

Functions

- Working with MPPI.48 panel power interface
- 1/2/3/4 touch control buttons
- Multi modes for button: Single on/ off, single on, single off, combination
 on, combination off, combination on/off, double click/ single on/ off,
 double click/combination on/off, momentary, short press/long press,
 short press/long momentary etc.
- Multi control types for button: Scene, sequence, timer, universal switch, single channel control, curtain, GPRS, panel, broadcast scene, broadcast channel, security module, music
- Adjustable RGB backlight
- Combination function for : Single on off, combination on/off
- Support easy programming
- Support HDL-BUS Pro online upgrading



Control

IR Remote

Built-in IR receiver (You need to replace a plate with an IR receiving hole to enable the IR remote control function)

MPT1.48





MPT2.48





MPT4.48

NEW PRODUCT



HDL*\27

DLP Switch EU

MPL8.48





MPL8.48



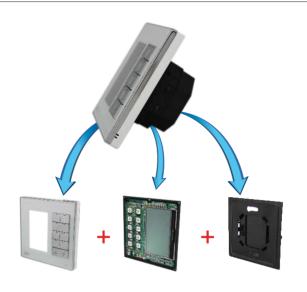
New generation DLP

New design features such as metal buttons with four left/right keys (in total eight individual buttons) which you can merge together and configure their LEDs. The frame and plate are selectable with different materials and colours to fit in with your lifestyle.

With just one DLP you can control your whole house. Up to 32 buttons distributed through four pages, you can control up to 99 targets with each button, and in total more than 3000 targets like lighting, curtain, blinds, HVAC, heating system, background music, etc.

The new firmware supports 147 different languages, has a user-friendly interface, and provides easy programming functions as well. The DLP panel allows connections with dimmers, relays, curtains, etc. directly without software. All the buttons have the ability to record the state of the rest of buttons and create with them new scenes in the DLP panel. This special function makes creating and changing scenes easy for the end user.





Customise your DLP

Based on your personal favourites or your individual requeriments

- Selectable Plate
- Selectable Frame

Parameters

- Power supply: DC12-30V
- BUS power consumption: 30mA/DC24V
- Installation : Standard GI and EU box
- Dimensions: 86×86×10.5(mm)

Functions

- Working with MPPI.48 panel power interface
- 8 control buttons, 2 page buttons, button combine function
- Multi Modes for button: Single on/ off、single on、single off、combination on、combination off、combination on/off、double click/ single on/ off、double click/combination on/off、momentary、clock timer、short press/long press、short press/long momentary、"hyperlink" etc
- Multi control types for button: Scene, sequence, timer, universal switch, single channel control, curtain, GPRS, panel, broadcast scene, broadcast channel, security, music
- · IR remote control, adjustable LCD back light
- Floor heating, air conditioning and music control
- Support HDL-BUS Pro online upgrading



IR Remote

Control

Built-in IR receiver (You need to replace a plate with an IR receiving hole to enable the IR remote control function)

HDL \29

Intelligent Switch

MP01R.48 / MP02R.48 / MP03R.48 / MP04R.48



MP01R.48



MP02R.48

NEW PRODUCT





NEW PRODUCT

MP03R.48



MP04R.48



Parameters

- Power supply: DC12-30V
- BUS power consumption: 20mA/DC24V
- Installation : Standard GI and EU box
- Dimensions: 86×86×10.5(mm)

Functions

- Working with MPPI.48 panel power interface
- 1/2/3/4 control buttons
- Multi modes for button: Single on/ off, single on, single off, combination on, combination off, combination on/off, double click/ single on/ off, double click/combination on/off, momentary, short press/long press, short press/long momentary etc.
- Multi control types for button: Scene, sequence, timer, universal switch, single channel control, curtain, GPRS, panel, broadcast scene, broadcast channel, security module, music
- · Adjustable RGB backlight
- Combination function for : Single on off, combination on/off
- · Support easy programming
- Support HDL-BUS Pro online upgrading

Background

Switchers are elements very important when you design a new space. That's why we want to give the possibility to customize the plate and frame to find the style which suits you best

Customize different plate and frame color



Pink Glass





White Glass



golden Glass



Buttons

Small details are important because they give a distinguished touch of luxury and fashion to your home and business. To feel identified with these values, you can change the button's ring colors to adjust it with your house style or your color business.

Choose the style of the buttons







Bronze

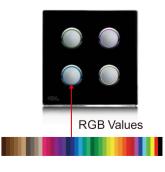
Aluminum+Bronze

Selectable Plate Materials

The feeling of touch of Bronze and Glass are unique. If you are trying to avoid common materials, you can use the materials for your switchers which it matches better with your style.



Two custom color status per button

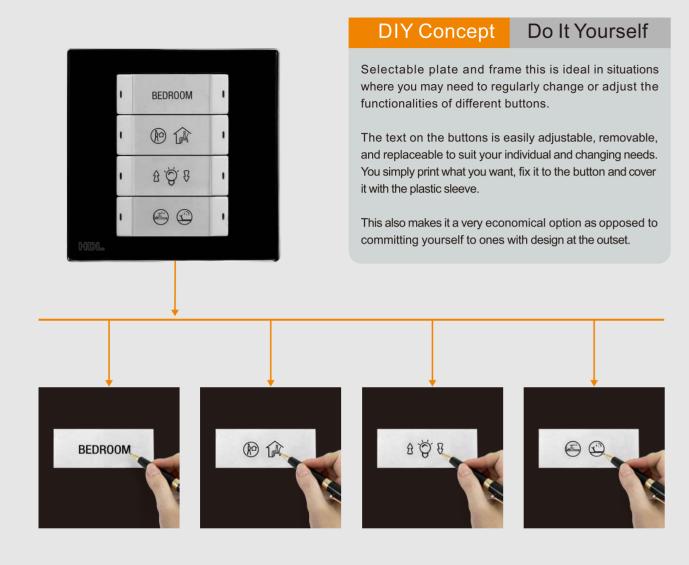


The back-light button lights up when it is pressed. Each button has two custom color status which can be infinitely adjustable via the RGB value by software.

HDL* \31

8 Buttons Switch

MP8B.48





IR remote control function)



4/6/8 Buttons Switch

MP4B.48 / MP6B.48 / MP8B.48



Parameters

Power supply: DC12-30V
BUS power consumption: 20mA/DC24V
Installation: standard GI and EU box
• Dimensions: 86×86×10.5(mm)

Functions

Working with MPPI.48 panel power interface
• 4/6/8 control buttons
Multi modes for button: Single on/ off, single on, single off, combination
on, combination off, combination on/off, double click/ single on/ off,
double click/combination on/off, momentary, short press/long press,
short press/long momentary etc.
Multi control types for button: Scene, sequence, timer, universal
switch, single channel control, curtain, GPRS, panel, broadcast
scene, broadcast channel, security, music
Customize button labels
Key lock function
Key led status can be adjustable
Support easy programming
Support HDL-BUS Pro online upgrading

MP4B.48





MP6B.48

NEW PRODUCT



MP8B.48



Customize different plate and frame color



White glass/8 button switch White glass/6 button switch White glass/4 button switch



HDL \33

4/6/8 Buttons Switch

MP4B.48 / MP6B.48 / MP8B.48

4/8 buttons Panel EU

MP4A.48 / MP8A.48



NEW PRODUCT

MP4B.48



Parameters

• Power supply: DC12-30V • BUS power consumption: 20mA/DC24V • Installation: standard GI and EU box • Dimensions: 86×86×10.5(mm)

Parameters

• Power supply : DC12-30V • BUS power consumption: 20mA/DC24V • Installation: standard GI and EU box • Dimensions: 86×116.5×10.5(mm)

MP4A.48

NEW PRODUCT



NEW PRODUCT

MP6B.48



Functions

 Working with MPPI.48 panel power interface • 4/6/8 control buttons • Multi modes for button: Single on/ off, single on, single off, combination on, combination off, combination on/off, double click/ single on/ off, double click/combination on/off, momentary, short press/long press, short press/long momentary etc. • Multi control types for button: Scene, sequence, timer, universal switch, single channel control, curtain, GPRS, panel, broadcast scene, broadcast channel, security, music · Customize button labels Key lock function · Key led status can be adjustable Support easy programming · Support HDL-BUS Pro online upgrading

Functions

• Working with MPPI.48 panel power interface • 2/4 big button.total 8/4 control button • Multi modes for button: Single on/off、single on、single off、 combination on, combination off, combination on/off, momentary, double click/ single on/ off, double click/combination, on/off, short press/long press, etc • Multi control types for Button: Sscene, sequence, timer, universal switch, single channel control, curtain, GPRS, panel, broadcast scene, broadcast channel, security module, music Key lock function • Key led status can be adjustable · Support easy programming Support HDL-BUS Pro online upgrading

MP8A.48





Note: Built-in IR receiver, need to replace a plate with IR receiving hole to achieve IR remote control function

NEW PRODUCT

MP8B.48



Color of plate and frame is selectable and customizable







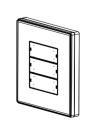
White glass/4 button switch White glass/6 button switch White glass/8 button switch



Color of plate and frame is selectable and customizable



White glass/4 button switch White glass/8 button switch





Installation diagram

Double Panels

COMBINE TWO USER INTERFACE IN ONE PLATE

Intelligent Switch

MP7C.48 / MP14C.48



Double up the functionalities in an elegant way

You can avoid a scattered, untidy look by having two panels next to each other, and at the same time bring all of your required functionalities into the one place.









Easy and economic solution to extend your BUS



This is also a very cheap solution, as you only need to extend the bus cable by a few centimeters to reach the adjacent panel. It gives you the advantage of less construction work and ugly drilling and chasing for separately-placed panels

Create a double panel combining two user interfaces

We can have the individual plates finished to whatever color or template you require. The two panels can be color-coordinated to your individual requirements and aligned neatly for optimum esthetic appearance.



Parameters

Power supply: DC12-30V

 BUS power consumption: 20mA/DC24V

 Installation: standard GI and EU box

 Dimensions: 86×86×9(mm)

MP7C.48





Functions

Working with MPPI.48 panel power interface
7/14 control button
Multi modes for button: Single on/ off, single on, single off, combination
on, combination off, combination on/off, double click/ single on/ off,
double click/combination on/off, momentary, short press/long press,
short press/long momentary etc.
Multi control types for button: Scene, sequence, timer, universal
switch, single channel control, curtain, GPRS, panel, broadcast
scene, broadcast channel, security, music
Customize button labels
Key lock function
Key led status can be adjustable
Support easy programming
Support HDL-BUS Pro online upgrading

MP14C.48





Customize different plate and frame color









38/HDL

Modern Series Intelligent Switch

MPH101.48 / MPH102.48 / MPH104.48 / MPH108.48

Intelligent Switch

MP1D.48 / MP2D.48 / MP3D.48



NEW PRODUCT

MPH101.48



Parameters

Power supply: DC12-30V

 BUS power consumption: 15mA/DC24V

 Installation: Standard GI box

 Dimensions: 86×86x23(mm)

Parameters

Power supply: DC12-30V

 BUS power consumption: 20mA/DC24V

 Installation: standard GI and EU box

 Dimensions: 86×86×9(mm)

MP1D.48

NEW PRODUCT



NEW PRODUCT

MPH102.48



Functions

Multi Modes for Button: Single on/off、single on、single off、combination on、combination off, combination on/off, Momentary, double click/single on/off, double click/combination, on/off, etc
 Multi control types for Button: Scene, sequence, timer, universal switch, single channel control, curtain, GPRS, panel, broadcast scene, broadcast channel, security module, Music, etc.

Functions

Working with MPPI.48 panel power interface
1/2/3 control button
Multi modes for button: Single on/ off, single on, single off, combination on, combination off, combination on/off, double click/ single on/ off, double click/combination on/off, momentary, short press/long press, short press/long momentary etc.
Multi control types for button: Scene, sequence, timer, universal switch, single channel control, curtain, GPRS, panel, broadcast scene, broadcast channel, security, music
Customize button labels
Key lock function
Key led status can be adjustable
Support easy programming
Support HDL-BUS Pro online upgrading

MP2D.48

NEW PRODUCT



MP3D.48

NEW PRODUCT



NEW PRODUCT

MPH104.48



MPH108.48



• Dimensions: 172x86x23(mm)

HDL* \39

Modern Series Intelligent Switch

SB-WS3M-UK/SB-WS1M-UK/SB-WS2M-UK/SB-WS4-UK/SB-WS6-UK

DLP Switch

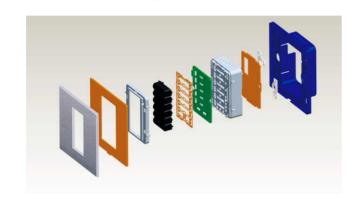
SB-DLP-MEU



SB-WS3M-UK



Schematic diagram of modern panel



SB-WS1M-UK



SB-WS2M-UK



Parameters

• Power supply: DC12-30V • BUS power consumption: 15mA/DC24V • Installation : Standard GI box 86x86x31(mm)

SB-WS4-UK



SB-WS6-UK



HDL* \41

Functions

 Infrared function, the gang of the switch can be controlled by remoter • Key control mode: Scene, sequence, timer, universal switch, single channel control, curtain, broadcast scene, broadcast channel, curtain • Key mode: Single on/off、single on、single off、combination on, combination off, Momentary · LED background can be adjustable

Parameters

• Power supply: DC12-30V • BUS power consumption: 30mA/DC24V • Installation : Standard GI and EU box • Dimensions: 86X86X35(mm)

Functions

• IR remote receiving function • Multi modes for button:single on/ off, single on single off, combination on, combination off, momentary, double click/ single on/ off, double click/combination, on/off, clock timer Multi control types for button: Scene, sequence, timer, universal switch, single channel control, curtain, GPRS, panel, broadcast scene, broadcast channel, security module • 1-4 pages for lighting control, page 5 is for AC control, page 6 is for music, page 7 is for floor-heating · Clock timer function • User definable for the LCD back light and Status

Optional Material





White glass



Golden



SB-DLP-MEU



Selectable Interface



Scene Control

Lighting Control



Air Conditioning

Geothermal control



Meeting Scene Control Sports Hall Scene Control

42/HDL*



Living Scene Lighting Control Culture Scene Lighting Control

Touch Button Switch US

MPT2.46 /MPT4.46 /MPT6.46

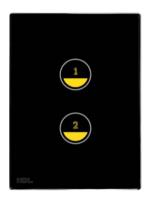
Aluminum Style Switch

MP2K.48 / MP4K.48 / MP6K.48 / MP8K.48



NEW PRODUCT

MPT2.46



NEW PRODUCT

MPT4.46



NEW PRODUCT

MPT6.46



Parameters

Power supply: DC12-30V

BUS power consumption: 20mA/DC24V

Installation: US standard box

Dimensions: 86×116.5×10.5(mm)

Functions

Working with MPPI.46 panel power interface

2/4/6 control button

Multi modes for button: Single on/off、single on single off combination on combination off, combination on/off, momentary,double click/single on/off, double click/combination, on/off, etc

Multi control types for Button: Scene, sequence, timer, universal switch, single channel control, curtain, broadcast scene, broadcast channel, etc.

Single on, single off, combination on, combination off can be set to key-relevancy.

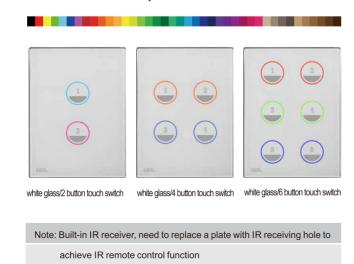
Backlight value adjustable

Color of Backlight (RGB) can be set

Support easy programming

Support HDL-BUS Pro online upgrading

Color of back board support RGB/ Selectable face plate and frame



Parameters

Power supply: DC12-30V

BUS power consumption: 15mA/DC24V

Installation: Standard GI and US

Dimensions: 120×73×9(mm)

Functions

Working with MPPI(K)48 panel power interface
 2/4/6/8 control buttons
 Multi modes for button: Single on/ off、single on、single off、combination on、combination off, combination on/off, momentary, double click/ single on/ off, double click/combination, on/off, short press/long press, etc
 Multi control types for button: Scene, sequence, timer, universal switch, single channel control, curtain, GPRS, panel, broadcast scene, broadcast channel, security module, music
 Support easy programming
 Support HDL-BUS Pro online upgrading

MP2K.48

NEW PRODUCT

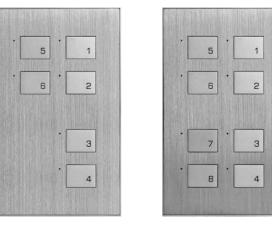


MP4K.48

NEW PRODUC

2

Selectable QTY Button



6button / MP6K.48

8button / MP8K.48

| HDL | \43

DLP Switch US

MPL8.46



SB-DLP-MUS





MPL8.46



Air conditioning control interface



- Metal Buttons
- Electronic Labels
- Selectable Plate
- Selectable Frame

Parameters

• Dimensions: 86×116.5×10.5(mm)

Power supply: DC12-30V
 BUS power consumption: 30mA/DC24V
 Installation: US standard box

Functions

Working with MPPI.46 panel power interface

8 control buttons, 2 page buttons, button combine function

Multi Modes for button: Single on/off、single on、single off、combination on、combination off、combination on/off、double click/single on/off、double click/combination on/off、momentary、clock timer、short press/long press、short press/long momentary、"hyperlink" etc

Multi control types for button: Scene, sequence, timer, universal switch, single channel control, curtain, GPRS, panel, broadcast scene, broadcast channel, security, music

IR remote control, definable LCD back light

Floor heating, air conditioning and music control

Support easy programming

Support HDL-BUS Pro online upgrading

Multiple Control Pages



Built-in IR receiver, need to replace a plate with IR receiving hole to realize

IR remote control function

Parameters

Power supply: DC12-30V

BUS power consumption: 30mA/DC24V

Installation: US standard box

Dimensions: 86X116.5X35(mm)

Functions

IR remote receiving
 clock timer function
 Multi modes for button: Single on/off、single on single off combination on combination off momentary, double click/single on/off, double click/combination, on/off, clock timer
 Multi control types for button: Scene, sequence, timer, universal switch, single channel control, curtain, GPRS, panel, broadcast scene, broadcast channel, security module
 1-4 pages for lighting control, page 5 is for AC control, page 6 is for music, page 7 is for floor-heating
 User definable for the LCD display
 User definable for the LCD back light and status

SB-DLP-MUS



Scene control interface



Selectable interface



HDL*\45

4/6/8 Buttons Switch US

MP4B.46 / MP6B.46 / MP8B.46

4/6/8 Buttons Switch US

MP4B.46 / MP6B.46 / MP8B.46



NEW PRODUCT

MP4B.46



NEW PRODUCT

MP6B.46



NEW PRODUCT

MP8B.46



Parameters

Power supply: DC12-30V
 BUS power consumption: 20mA/DC24V
 Installation: US standard box
 Dimensions: 86×116.5×10.5(mm)

Functions

Working with MPPI.46 panel power interface, 4/6/8buttons

Multi Modes for Button: Single on/ off, single on, single off, combination on, combination off, combination on/off, double click/ single on/ off, double click/combination on/off, Momentary, short press/long press, short press/long momentary etc.

Multi control types for Button: Scene, sequence, timer, universal switch, single channel control, curtain, GPRS, panel, broadcast scene, broadcast channel, security module, music

Customize button labels

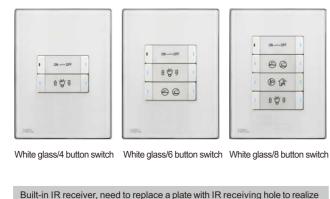
Key lock function

Key led status can be adjustable

Support easy programming

Support HDL-BUS Pro online upgrading

Customize different plate and frame color



IR remote control function

Parameters

Power supply: DC12-30V
 BUS power consumption: 20mA/DC24V
 Installation: US standard box
 Dimensions: 86×86×10.5(mm)

Functions

Working with MPPI.48 panel power interface

4/6/8 control buttons

Multi modes for button: Single on/ off, single on, single off, combination on, combination off, combination on/off, double click/ single on/ off, double click/combination on/off, momentary, short press/long press, short press/long momentary etc.

Multi control types for button: Scene, sequence, timer, universal switch, single channel control, curtain, GPRS, panel, broadcast scene, broadcast channel, security, music

Customize button labels

Key lock function

Key led status can be adjustable

Support easy programming

Support HDL-BUS Pro online upgrading

Customize different plate and frame color



White glass/4 button switch White glass/6 button switch White glass/8 button switch

f SEDROOM 1

1 1 1 1

1 808 1

1 88 1

MP4B.46

NEW PRODUCT



MP6B.46

NEW PRODUCT



MP8B.46

NEW PRODUCT



HDL*\47

Intelligent Switch US

SB-WS4-US/SB-WS6-US

4/8 buttons Switch US

MP4A.46 / MP8A.46 / MP4A.46/ MP8A.46



SB-WS4-US



SB-WS6-US



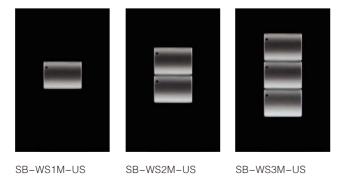
Parameters

Power supply : DC12-30V
BUS power consumption: 15mA/DC24V
Installation : US standard box
• Dimensions : 69.5X116.5X35(mm)

Functions

Infrared function, the gang of the switch can be controlled by remoter
Key control mode: Scene, sequence, timer, universal switch, single
channel control, curtain, broadcast scene, broadcast channel, curtain
LED background can be adjustable
Key mode: Single on/ off、single on、single off、combination on、
combination off, Momentary
Multi modes for button: Single on/ off, single on, single off, combination
on, combination off, combination on/off, double click/ single on/ off,
double click/combination on/off, momentary, short press/long press,
short press/long momentary etc.
Multi control types for button: Scene, sequence, timer, universal
switch, single channel control, curtain, GPRS, panel, broadcast
scene, broadcast channel, security, music

US standard –big button (1, 2,3)



Parameters

• Power supply: DC12-30V
BUS power consumption: 20mA/DC24V
Installation: US standard box
• Dimensions : 86×116.5×10.5(mm)

Functions

Working with MPPI.46 panel power interface
4/2 big button. total 8/4 control button
Multi modes for button: Single on/ off, single on, single off,
$combination \ on \ \ combination \ off, \ combination \ on/off \ , \ momentary,$
double click/ single on/ off , double click/combination, on/off, short
press/long press, etc
Multi control types for button: Scene, sequence, timer, universal
switch, single channel control, curtain, GPRS, panel, broadcast
scene, broadcast channel, security module, Music
Key lock function
Key led status can be adjustable
Support easy programming
Support HDL-BUS Pro online upgrading

Selectable face plate and frame

· \$\$; · · □□ □ ·



MP4A.46 MP8A.46

MP4A.46



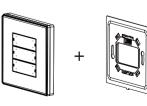


MP8A.46





Note: Built-in IR receiver, need to replace a plate with IR receiving hole to achieve IR remote control function



Installation diagram

Panel Power Interface

MPPI.46 / MPPI(k).48 / MPPI.48

High Performance Dimmer

SB-WL-D0610/SB-WL-D0620/SB-WL-D1210



NEW PRODUCT

MPPI.46 / MPPI(k).48

MPPI.48

NEW PRODUCT





MPPI.46

MPPI(k).48



Parameters

• Power supply: DC12-30V • Installation : US standard box

• Dimensions: 86×116.5×30.5(mm)

Functions

- Panel power interface, working with new panel plate US
- HDL-Bus interface, fast connector need to use HDL-Bus/KNX cable

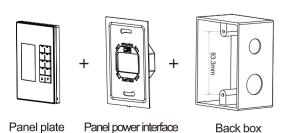
Parameters

- Power supply: DC12-30V
- Installation : EU standard box
- Installation:Standard GI and EU box
- Dimensions: 86×86×30.5(mm)

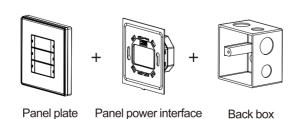
Functions

- Panel power interface, working with new panel plate EU
- HDL-Bus interface, fast connector need to use HDL-Bus/KNX cable

Installation diagram



Installation diagram



Parameters

- Power supply: 3 phase (L1, L2, L3, N, PE)
- Power input: AC 240V±10%
- Protection: Overload protection
- Installation : Wall hanging

Functions

- 10 bit dimming Accurate;
- · Hardware bypass function;
- Up to 6/12 separate scenes
- Up to 99 scenes in each area, maximum runtime of scene is 60 minutes
- Up to 99 sequence, 99 steps in each sequence; each sequence has

60 minutes as interval time; there are four types of sequences:

- Forward/Backward/Ramdom/Forward&Backward
- loads in each channel;
- Emergency bypass in each channel;
- Remark information provided in each scene, area, channel and sequence;

· Low, high or maximum threshold are available to suit the different

- · With fire emergency switch
- Can go back to previous scene or designated scene once the system restart

SB-WL-D0610



- Output channel 6 channel dimming Dimensions: 470x290x162(mm)
- Current in each channel: each channel 10A; total less than 60A
- Can provide 200mA current to BUS Maximum 6 separate areas
- SB-WL-D0620



- Output channel: 6 channel dimming Dimensions: 600 x290x162(mm)
- Current in each channel: each channel 20A, total less than 120A
- Maximum 6 separate areas can provide 200mA current to BUS

SB-WL-D1210



- Output channel: 12 channel dimming
 Dimensions: 600 x290x162(mm)
 Current in each channel: each channel 10A, total less than 120A
- Maximum 12 separate areas
- Can provide 200mA current to BUS

Leading / Trailing Edge MOSFET Dimmer

SB-DN-DT0203 / SB-DN-DT0402

Leading / Trailing Edge MOSFET Dimmer

SB-DN-DT0601 / MCR01.40



SB-DN-DT0203



- Output channel: 2 channel dimming
- Output current per channel: 3A
- Total current 6A
- Dimensions: 216×90×66(mm)
- Max 2 separate areas
- Maximum 2 sequences, each sequence has 12 steps, each sequence has 60 minutes as interval time; there are four types of sequence: Forward/Backward/Random/ Forward& Backward;

SB-DN-DT0402



- Output channel: 4 channel dimming
- Max Output current per channel: 2A
- Total current 6A
- Dimensions: 216×90×66(mm)
- Max 4 separate areas
- Maximum 4 sequences, each sequence has 12 steps, each sequence has 60 minutes as interval time; there are four types of sequence: Forward/Backward/Random/ Forward& Backward;

Parameters

• Power supply: AC 240V±10% • BUS Working voltage: DC12-30V • BUS power consumption: 25mA/DC24V • Installation: Standard 35mm Din Rail • Dimensions: 216×90×66(mm)

Functions

· LED indicator shows the current channel status Maximum 2/4 separate areas • Each channel has "leading edge dimming", "trailing edge dimming", dimming method • Each channel has 4 dimming curves: linear, x^{15}, x^{20}, x^{30} • Maximum 2/4 sequences, each sequence has 12 steps, each sequence has 60 minutes as interval time; there are four types of sequence: Forward/Backward/Random/Forward& Backward; · Low or high or maximum threshold are available to suit the different loads in each channel: Remote program and management function · Manual buttons ON and OFF for each channel • Can go back to previous scene or designated scene once the system restart · Short circuit protection Overload protection • Over temperature protection · Temperature reading · Power reduced once over temperature · Support easy programming · Support HDL-BUS Pro online upgrading

SB-DN-DT0601



Parameters

• Power supply: AC 240V±10% • BUS Working voltage: DC12-30V • BUS power consumption: 25mA/DC24V Output channel:6 channel dimming • Output current per channel: 1A,max total current 6A · Protection: Need exterior protection switch • Installation : Standard 35mm Din Rail · Dimensions: 216×90×66(mm)

Functions

LED indicator shows the current channel status
Maximum 2 separate areas
Each channel has "leading edge dimming ", "trailing edge
dimming", dimming method
• Each channel has 4 dimming curves: linear, X^{15} , X^{20} , X^{30}
• Each area has 12 scenes, maximum runtime of scene is 60 minutes
Maximum 6 sequences, each sequence has 12 steps, each
sequence has 60 minutes as interval time; there are four types
of sequence: Forward/Backward/Random/Forward& Backward;
Low or high or maximum threshold are available to suit the
different loads in each channel;
Remote program and management function
Manual buttons ON and OFF for each channel
Can go back to previous scene or designated scene once
the system restart
Short circuit protection Overload protection
Over temperature protection
Power reduced once over-Temperature
Support HDL-BUS Pro online upgrading

TRIAC Constant Current Load MCR01.40





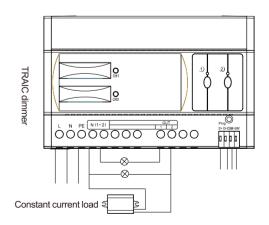
Parameters

• Power supply: AC0V-240V • Load constant current : < 15mA • Working condition : Working temp : 0°C~45°C Working relative humidity: 20%~90% Storage temp: -40°C~+55°C Storage relative humidity: 10%~93% Dimensions: 37.4×26.7×22.6(mm)

Functions

 1 load channel 15mA constant current · Working with TRAIC dimmer Connected in parallel when working with the lamp

Diagram of constant current



Note: above picture is set HDL TRAIC dimmer as an example, the module can supply minimum 15mA current for TRAIC, this module can solve the flicker problem when dimming the Lamps such as some LEDs and low voltage Halogen

HDL \53

Leading Edge TRAIC Dimmer

MD0206.432/MD0403.432/MD0602.432

Leading Edge TRAIC Power Amplifier

SB-WL-B0120/SB-WL-B0210



NEW PRODUCT

MD0206.432



- Output channel: 2ch/6A
- Fuse:10 A aR type
- TRAIC: 25A bidirectional TRAIC, minimum load 40W
- Maximum 2 separate areas, each area has 12 scenes

Parameters

- Power supply: 110/240V±10%
- BUS Working voltage: DC12-30V
- BUS power consumption:28mA/DC 24V
- Dimming curves: linear, x15, x20, x30
- Dimensions:144X90X66 (mm)

SB-WL-B0120



SB-WL-B0210



NEW PRODUCT

MD0403.432



- Output channel: 4 ch/3 A
- Fuse: 8 A aR type
- TRAIC: 25A bidirectional TRAIC, minimum load 40W
- Maximum 4 separate areas, each area has 12 scenes

NEW PRODUCT

MD0602.432



- Output channel: 6ch/2A
- Fuse: 4 A aR type
- TRAIC: 16A bidirectional TRAIC, minimum load 40W
- Maximum 6 separate areas, each area has 12 scenes

Functions

- Maximum 6/4/2 separate areas, each area has 12 scenes
- Maximum 6 sequences, each sequence has 12 steps
- 512 dimming step, 4 dimming curves
- Low, high or max threshold are available in each channel to suit

the different loads;

- Manual buttons ON and OFF for each channel
- Can go back to previous scene or designated scene once the system restart
- Short circuit protection over temperature protection
- Support easy programming
- Support HDL-BUS Pro online upgrading

Parameters

- Power supply: AC 240V±10%
- Protection : Need exterior protection switch
- Output channel: 1 channel dimming output
- · Output current: 20A
- · Installation: wall hanging
- Dimensions: 288x200x100(mm)

Parameters

- Power supply: AC 240V±10%
- Protection : Need exterior protection switch
- Output channel: 2 channel dimming output
- Output current: 10A
- · Installation: Wall hanging
- Dimensions: 288x200x100(mm)

Functions

- Dimmable power amplifier
- AC0-240v power input
- DC 0-10V control signal input

Functions

- Dimmable power amplifier
- AC0-240v power input
- DC 0-10V Control signal input

10A Relay Module

MR0410.431 / MR0810.432 / MR1210.433 / MR1610.433

16A Relay Module

MR0416.431 / MR0816.432 / MR1216.433 / MR1616.434



NEW PRODUCT

MR0410.431



- Output channel: 4channel Relay
- Dimensions: 72×90×66(mm)
- 4 channel relay output
- Maximum 4 separate areas
- Each area has 8 scenes, maximum runtime of scene: 60 minutes

NEW PRODUCT

MR1210.433



- Output channel: 12 channel Relay
- Dimensions: 216×90×66(mm)
- 12 channel relay output
- Maximum 12 separate areas
- Each area has 24 scenes, maximum runtime of scene: 60 minutes

NEW PRODUCT

MR1610.433



- Output channel: 16 channel Relay
- Dimensions: 216×90×66(mm)
- 16 channel relay output
- Maximum 16 separate areas
- Each area has 32 scenes, maximum runtime of scene: 60 minutes

MR0810.432





- Output channel: 8 channel Relay
- Dimensions: 144×90×66(mm)
- 8 channel relay output
- Maximum 8 separate areas
- Each area has 16 scenes, maximum runtime of scene: 60 minutes

Parameters

- Power supply: DC15-30V
- Static BUS power consumption: 15mA/DC24V
- Dynamic BUS power consumption: 40mA/DC24V
- Current in each channel: 10A
- life time for relay unit: More than 60,000 times
- Protection : Need MCB for each channel
- Installation: Standard 35mm Din Rail
- Capacity load of Relay: < 150μF

Functions

- 4/8/12/16 channel relay output
- 4/8/12/16 separate areas
- Each area has 8/16/24/32 scenes, maximum runtime of scene: 60 minutes
- Each area has 2 sequences, each sequence has 12 steps
- Each channel has lights protection delay: 0-60 minutes
- $\bullet\,$ Each channel has switch on delay time: 0-25 $\,$ seconds
- Manual buttons ON and OFF for each channel
- Remote program and management are available
- Cango back to previous scene or designated scene once the system restart
- LED lights available for indicates of each channel
- Staircase lamps function and Mutual exclusion function
- · Support easy programming
- Support HDL-BUS Pro online upgrading

NEW PRODUCT

MR0416.431



- Output channel: 4 channel Relay
- Dimensions: 72×90×66(mm)
- 4 channel relay output
- Maximum 4 separate areas
- Each area has 8 scenes, maximum runtime of scene: 60 minutes

Parameters

- Power supply: DC15-30V
- Power consumption:static BUS Power Consumption: 15mA/DC24V

Dynamic BUS Power Consumption: 40mA/DC24V

- Current in each channel: 16A
- life time for relay unit: More than 60,000 times
- Protection : Need exterior protection switch
- Installation: Standard 35mm Din Rail
- Capacity load of Relay: < 300μF

Functions

- 4/8/12/16 channel relay output
- Maximum4/8/12/16 separate areas,
- Each area has 8/16/24/32 scenes, maximum runtime of scene: 60 minutes
- Each area has 2 sequences, each sequence has 8 steps
- Each channel has lights protection delay: 0-60 minutes
- Manual buttons ON and OFF for each channel
- Remote program and management are available
- Can go back to previous scene or designated scene once the system restart
- Each channel has switch on delay time: 0-25 seconds
- Each area has 2 sequence, the maximum step units of each sequence is same as channel units
- Staircase lamps function and Mutual exclusion function
- Support easy programming
- Support HDL-BUS Pro online upgrading

MR0816.432

NEW PRODUCT



- Output channel: 8 channel Relay
- Dimensions: 144×90×66(mm)
- 8 channel relay output
- Maximum 8 separate areas
- Each area has 16 scenes, maximum runtime of scene: 60 minutes

MR1216.433

NEW PRODUCT



- Output channel: 12 channel Relay
- Dimensions: 216×90×66(mm)
- 12 channel relay output
- Maximum 12 separate areas
- Each area has 24 scenes, maximum runtime of scene: 60 minutes

MR1616.434

NEW PRODUCT



- Output channel: 16 channel Relay
- Dimensions: 288×90×66(mm)
- 16 channel relay output
- Maximum 16 separate areas
- Each area has 32 scenes, maximum runtime of scene: 60 minutes

HDL* \57

Ballast Dimmer, 0-10V Output

SB-DN-6B0-10V / MRDA0610.432

LED Driver/ LED Dimmer

SB-WM-LED0304/SB-LED650mA/MDLED0605.432



SB-DN-6B0-10V



- Current in each relay channel: 16A
- Capacity load: <300µF
- Sink 100mA current from 0-10v ballasts
- Suitable for 0-10v Fluorescent dimming control

NEW PRODUCT

MRDA0610.432



- Current in each relay channel: 10A
- Capacity load: <150µF
- Support input DC24V
- Sink/output 100mA current for each 0-10v channel, 6 channel total no less than 300mA
- Suitable for 0-10v Fluorescent dimming control
- Suitable for 0-10v LED dimming control

Parameters

- Power supply: DC 15-30V
- Power consumption: 30mA/DC24V
- Installation: Standard 35mm Din Rail
- Dimensions: 144×90×66(mm)

Functions

- 6 channel relay output
- Manual buttons ON and OFF for each channel
- LED lights available for indicates of each channel
- Maximum 6 separate areas, each area has 12 scenes,
- Maximum 6 sequences, each sequence has 12 steps, each step

has 60 minutes as interval time; there are four types of sequence:

- Forward/Backward/Random/Forward& Backward;
- Low, high or max threshold are available in each channel to suit the different loads;
 Can go back to previous scene or designated scene once the system restart
- Support easy programming
- Support HDL-BUS Pro online upgrading

SB-WM-LED0304



- Power supply: AC 240V±10%
- Output channel: 3 channel (DC24V 4A)
- dimensions: 310×230×87(mm)

SB-LED650mA



- Power input : DC10-30V
- Output: 650mA
- Dimensions: 96×58.5×22.5(mm)
- 3 output channel for LED Strip
- PWM constant voltage output for LED strip

Parameters

- Signal interface : DMX512 (1990)
- Installation: Wall hanging

MDLED0605.432





Parameters

- Power supply: DC12-30V
- Static BUS power consumption: 20mA/DC24V
- Dynamic BUS power consumption: 40mA/DC24V
- Output: 6CH/5A
- LED power input : 12-30VDC
- Dimensions: 144×90×66(mm)

Functions

- Maximum 6 separate areas, each area has 12 scenes
- Maximum 6 sequences, each sequence has 12 steps, each
 step has 60 minutes as interval time; there are four types of

sequence: Forward/Backward/Random/Forward& Backward;

- Low, high or max threshold are available in each channel to suit the different loads;
- Can go back to previous scene or designated scene once
 the system restart
- Manual buttons ON and OFF for each channel
- Short circuit protection, over load protection
- 5A output current in each channel
- PWM constant voltage output for LED Lamp and LED strip
- Support easy programming
- Support HDL-BUS Pro online upgrading

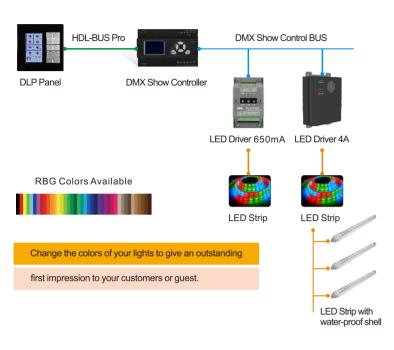
How to combine HDL BUS Pro + DMX Technology + LED Driver

EXAMPLE OF USE

48 Channel DMX Controller / 512 channel DMX Show Controller

SB-DN-48DMX/SB-DN-512DMX







SB-DN-48DMX

SB-DN-512DMX



Parameters

- Power supply: DC12-30V
- BUS power consumption: 40mA/DC24V
- Installation: Standard 35mm Din Rail
- Dimension: 72x90x66(mm)
- · Built in ethernet port

Parameters

- Power supply: DC12-30V
- BUS power consumption: 200mA/DC24V
- Interface: 128x64 dot matrix graphic LCD
 - 6 manual buttons
- Installation: Standard 35mm Din Rail
- Dimension: 144x90x66(mm)
- Built in Ethernet port

DMX Scene Recorder

SB-DN-Recorder

SB-DN-Recorder



Parameters

- Power supply: AC240±10%
- BUS power consumption: 200mA/DC24V
 Interface: 128x64 dot matrix graphic LCD
 - 6 manual buttons
- Installation: Standard 35mm Din Rail
- Dimension: 144x90x66(mm)
- Built in Ethernet port

Functions

- Total capacity: 256Mbyte
- $\bullet \ \ \mathsf{PC} \ \mathsf{remote} \ \mathsf{operation}, \mathsf{download} \ \mathsf{programs}, \mathsf{play} \ \mathsf{programs},$
- delete programs
- Signal Interface: HDL-BUS, RJ45
- Support ArtNet DMX
- has two play modes single or loop playback
- Wall panel playback
- Up to 4 hours records for programs

Functions

- Up to 48 areas
- Each area has 99 scenes, maximum scene run time:60 minutes
- Up to 99 sequences, each sequence has 99 steps, maximum step run time: 60 minutes, 4 modes for the sequences "Forward", "Backward", and "Back and forth", "Random".
- $\bullet \ \ DMX512\,signal\,output\,(1990\,version)\,and\,HDL\text{-}NET\,DMX\,output$
- Supports self-program and test functions
- $\bullet\,$ Supports remote program and manage functions
- Low, high, max threshold for each channel
- HDL-BUS and Ethernet double way data communication
- Intelligent data exchange, reducing data traffic
- Device can be restored to previous scene or designated scenes

Functions

- Can be pre-set up to 500 scenes, scene running time from
- 0.1 second to 60 minutes
 HDL-NET DMX signal output
- Each channel has gradual and abrupt change properties
- HDL-BUS and ethernet double way data communication
- Up to 99 sequences, each sequence has 255 steps, step running time from 0.1 second to 60 minutes, 4 modes for the

sequences "Forward", "Backward", and "Back and forth", "Random".

- · Soft reset with power on
- DMX512 signal output (1990 version)

62/HDL

2 Channel Curtain Module / HVAC Module

SB-DN-2motor / MAC01.331

Floor Heating Controller / Logic Controller

MFH06.432/SB-DN-Logic960



SB-DN-2Motor



MAC01.331



Parameters

- Power supply: DC15-30V
- BUS power consumption: 35mA/DC24V
- Controllable curtain: 2 curtains
- · Motor type: Capacitive single phase
- Channel max output current: 5A
- Lifetime for relay unit: 60,000 times
- Installation: Standard 35mm Din Rail
- Dimension: 72x90x66(mm)

Parameters

- Power supply: DC15-30V
- BUS power consumption: 95mA/DC24V
- Max relay current load: 5A
- · Installation: Standard 35mm Din Rail
- Dimension: 72x90x64(mm)

Functions

- 2 channel curtain control
- Hardware and software interlock for forward or backward
- Forward and backward delay

Functions

- Fan speed: High, medium or low
- Control mode: cooling, heating, dehumidification, invalid
- To control AC fan speed and mode smartly by AC control panel
- Temperature measure by connecting with up to 4 pieces

- One master module supports up to 8 slave modules
- · DC0-10V fan speed control method
- · Support HDL-BUS Pro online upgrading

NEW PRODUCT

MFH06.432



SB-DN-Logic960



Parameters

- Power supply: DC15-30V
- Dynamic power consumption: 150mA/DC24V
- Static power consumption: 30mA/DC24V
- · Output channel: 6
- Maximum channel current: 10mA/DC24V (0-10V output)

1A/220VAC (Relay output)

- Lifetime for relay unit: 5,000,000 times
- · Protection: External breaker • Dimension: 144x90x66(mm)

Parameters

- Power supply: DC12-30V
- BUS power consumption: 15mA/DC24V
- Installation: Standard 35mm Din Rail
- Dimension: 72x90x66(mm)

Functions

- 6 channels floor heating or cooling control
- 2 output ways in each channel: relay output and 0-10V output
- Temperature adjustment range:5℃~40℃ (0.5℃ accuracy)
- Timing or manually floor heating system flush function by timer or manually
- Support controlling external high power relay modules
- · Auto protect from error temperature collection
- · Support HDL-BUS Pro online upgrading

Functions

- Editable daily events
- Maximum 12 logic blocks, each block has 20 logic tables, tables can be connected with each other
- Maximum 4 input conditions and 20 output targets in each
- Logic table input conditions: Time, status of channel,
- external inputs, universal switch etc · Logic relations: and, or, nand, nor
- Support HDL-BUS Pro online upgrading

HDL*\63

64 Channel DALI / 8 Channel DSI Dimmer

MC64-DALL431 / MD08DSL232



SB-DN-PM3P01/SB-DN-PM1P03/SB-DN-SMS/IP





MC64-DALI.431



MD08DSI.232



SB-DN-PM3P01

SB-DN-PM1P03



HOLE

SB-DN-SMS / IP



Parameters

- Power supply: DC12-30V
- ullet BUS power consumption: 15mA/DC24V
- $\bullet \ \ \mathsf{DALI} \ \mathsf{independent} \ \mathsf{power} \ \mathsf{supply} \mathsf{:} \ \mathsf{AC110/240V}$
- · Interface: HDL-BUS

And DALI

- Installation: Standard 35mm Din Rail
- Dimension: 72x90x66(mm)

Parameters

- Power supply: DC12-30V
- BUS power consumption: 20mA/DC24V
- DSI independent power supply: AC240V
- Output channel: 8 channels
- Output signal: DSI signal
- Maximum ballasts for each channel: 8
- Dimension: 144x90x66(mm)
- Installation: Standard 35mm Din Rail

Parameters

- Power supply: DC12-30V
- Measuring voltage: 0-250VAC
- Maximum access to current (each channel): Three-phase
 10A / 16A single phase
- BUS power consumption: 60mA/DC24V
- Built-in relay: 2A/250VAC (single phase)
- Installation: Standard 35mm Din Rail
- Dimension: 72x90x66(mm)

Parameters

- Power supply: DC24V
- BUS power consumption: 200mA/DC24V
- Interface: 128x64 dot matrix graphic LCD

6 manual buttons

- Installation: Standard 35mm Din Rail
- Dimension: 144x90x66(mm)
- Built in ethernet port

Functions

- Transform HDL signal into DALI signal
- Up to 64 DALI channels
- Scene controller
- Support maximum 16 independent areas
- Available function for each channel: Low and high threshold,
 system failure, DALI component electrify restore
- Fire emergency function
- After device reboot, there is a option to run the designated scene
- or return back to the last 20 seconds scene before power off
- · Support HDL-BUS Pro online upgrading

Functions

- Scene controller
- Total 8 DSI signal output channels, each channel could be connected with up to 8 ballasts
- Up to 8 separate areas
- Max 16 scenes in each area, max scene running time 60 minutes
- Low, high, max threshold for each channel
- It has independent DSI power supply which is isolated from HDL-BUS
- After device reboot, there is a option to run the designated scene
 or return back to the last 20 seconds scene before power off
- Support HDL-BUS Pro online upgrading

Functions

- You can view real time phase voltage, current, power, active
 power, reactive power, apparent power, power factor, active
- power, reactive power, and other values
- · Logic function: phase voltage, phase current, time, electrical
- values of each phase at a certain time, universal switching,
- all can be logical trigger conditions
- Logical relationships: AND, OR, and trigger delay time can be set
- · Data records can be retained for one year

Functions

- SMS control (99x49 targets)
- Status View
- SMS feedback
- Status alarms
- Background brightness adjustable LED
- Soft reset with power on
- Gateway between HDL-BUS and Ethernet

DC24V Power Supply

SB-DN-PS750/SB-DN-PS2.4A



Wall mount Ultrasonic & PIR Sensor

MSPU05.48

SB-DN-PS750



Parameters

Power supply: AC240V±10%
• Frequency: 50-60HZ
Output current: 750mA
Output voltage: DC24V
Installation: Standard 35mm Din Rail
• Dimension: 72x90x66(mm)

SB-DN-PS2.4A



Functions

Power supply: AC110/240V±10%
• Frequency: 50-60HZ
Output current: 2.4A
Output voltage: DC24V
Installation: Standard 35mm Din Rail
• Dimension: 144x90x66(mm)

Parameters

Power supply: DC12-30V
BUS power consumption: 40mA/DC24V
Ultrasonic sensing range: 6m (diameter)
Static and dynamic sensing range: 6m (diameter)
• Dimensions : 86X86X31 (mm)

Functions

Working with MPPI.48 panel
Built-in temperature sensor, PIR sensor, LUX sensor, dry contact,
ultrasonic sensor, universal switch, logic, total 8 logical conditions.
With 24 logic blocks function, can set 8 input conditions, each
logic block can be set 20 targets output
With 2 optional logical relations: OR、AND
PIR sensitivity can be adjusted, the sensitivity range is 1-100
Ultrasonic sensor sensitivity can be adjusted, the sensitivity range is 1-100
UV switch no. in Logical condition is assigned to 201-248, each
logical has 2 UV switch no
Each logical has time delay 1-3600s
Support HDL-BUS Pro online upgrading

MSPU05.48













HDL*\67

Temperature, Humidity / 8in1 Sensors

SB-CMS-THL/SB-CMS-8in1



SB-CMS-PIR

SB-CMS-PIR/SB-WMS-PIR



SB-CMS-THL



SB-CMS-8in1





SB-WMS-PIR



Parameters

- Power supply: DC12-30V
- Bus power consumption: 25mA/DC24V
- Temperature detection range: 0°C~45°C
- Illumination detection range: 0-300 Lux
- Humidity detection range: 20-95°C
- · Installation: Ceiling mount
- Dimension: 80(diameter)x32(mm)

Parameters

- Power supply: DC12-30V
- Bus power consumption: 15mA/DC24V
- Temperature detection range: 0°C~36°C
- Illumination detection range: 0-300 Lux
- Detection range in diameter: 6m(Install height 2.4m)
- · Installation: Ceiling mount
- Dimension: 80(diameter)x32(mm)

Parameters

- Power supply: DC12-30V
- Bus power consumption: 15mA/DC24V
- Temperature detection range: 0°C~36°C
- Illumination detection range: 0-300 Lux
- Detection range in diameter: 6m(Install height 2.4m)
- · Installation: Ceiling mount
- Dimension: 80(diameter)x32(mm)

Parameters

- Power supply: DC12-30V
- Bus power consumption: 15mA/DC24V
- Detection range: 12m
- Detection angle: 110 degrees
- Detection distance adjustment: Software adjustable
- · Installation: Wall mount
- Dimension: 106x60.2x60(mm)

Functions

 Equipped with brightness sensor, temperature sensor, humidity sensor, two dry contact inputs, two universal switches,

logic state etc which can be used as input conditions

- Two logic relations: Or, And
- With up to 24 logic block functions, max eight logic input conditions, up to 20 target outputs for logic conditions
- Security warning function, need to be used with the security module

Functions

- Equipped with brightness sensor, temperature sensor,

 PIR sensor, two dry contact inputs
- Two logic relations: Or, And
- With up to 24 logic block functions to trigger the control target.
- Adjustable Infrared motion sensitivity, range from 1-100
- Universal switch numbers were assigned to 201-248 in
- the logic conditions, 2 switch numbers for each logic

• Security function, to be used with the security module

Support HDL-BUS Pro online upgrading

Functions

- Equipped with brightness sensor, temperature sensor,
 PIR sensor, two dry contact inputs, two universal switches,
 logic state etc which can be used as input conditions
- Two logic relations: Or, And
- With up to 24 logic block functions, each block has eight logic input conditions
- 20 control target outputs for one logic condition
- $\bullet \ \ \text{Each logic supports trigger delay time, from 0-36000 seconds}.$
- Master or slave mode
- Security function, to be used with the security module
- Support HDL-BUS Pro online upgrading

Functions

- Departure delay time from 0 to 36000 seconds
- Master or slave mode
- Security function, to be used with the security module

Ceiling Mount Ultrasonic / Ceiling Mount PIR Sensor

MSPU03.4 / MSP02.4C

12in1 Multi-Function / air Quality Sensor

SB-CMS-12in1/SB-CMS-LA



NEW PRODUCT

MSPU03.4

MSP02.4C

NEW PRODUCT

SB-CMS-12in1

SB-CMS-LA



Parameters

- Power supply: DC12-30V
- Bus power consumption: 15mA/DC24V
- Detection range in diameter: 6m
- Temperature detection range: 0°C~45°C
- Illumination detection range: 0-300 Lux
- Dimension: 63x63x38(mm)
- Cutting Size: 45mm (Diameter)



Parameters

- Power supply: DC12-30V
- Bus power consumption: 12mA/DC24V
- Detection range in diameter: 6m
- Illumination detection range: 0-300 Lux
- Dimension: 63x63x38(mm)
- Cutting Size: 45mm (Diameter)



Parameters

- Power supply: DC12-30V
- Static power consumption: 40mA/DC24V (Relay off)
- Dynamic power consumption: 90mA/DC24V (Relay on)
- Signal output: HDL-BUS signal
- Temperature detection range: 0°C~45°C
- Illumination detection range: 0-300 Lux
- · Installation: Ceiling mount
- Dimension: 110(diameter)x34(mm)



Parameters

- Power supply: DC12-30V
- Bus power consumption: 25mA/DC24V
- Signal interface: HDL-BUS signal
- Temperature detection range: 0°C~45°C
- Illumination detection range: 0-300 Lux
- Air quality detection: cigarettes, cooking odors, hydrogen, carbon
 - monoxide, ethanol, methane, isobutane, alcohol:
- · Installation: Ceiling mount
- Dimension: 80(diameter)x32(mm)

Functions

- Equipped with temperature sensor, brightness sensor, ultrasonic sensor and universal switch which can be used as logic conditions.
- 24 logic blocks, 20 output targets can be set in each logic block.
- Two logic relations: Or, And
- Sensitivity adjustable, range from 1to100
- Universal switch numbers were assigned to 201-248 in the logic conditions, 2 switch numbers for each logic, universal switch has auto-off function(from 1 to 3600 seconds)
- Logic can trigger the control target no matter it's valid or not
- Security function, to be used with the security module
- Support HDL-BUS Pro online upgrading

Functions

- Equipped with brightness sensor, PIR sensor and universal switch which can be used as logic conditions.
- $\bullet \ \ 24\,logic\,blocks, 20\,output\,targets\,can\,be\,set\,in\,each\,logic\,block.$
- Two logic relations: Or, And
- Sensitivity adjustable, range from 1to100
- Universal switch numbers were assigned to 201-248 in the logic conditions, 2 switch numbers for each logic, universal switch has auto-off function(from 1 to 3600 seconds)
- Logic can trigger the control target no matter it's valid or not
- · Security function, to be used with the security module
- Support HDL-BUS Pro online upgrading

Functions

- Equipped with a temperature sensor, brightness sensor, infrared motion sensor, ultrasonic sensor, two dry contact inputs, two external input conditions
- With infrared receiver function, can receive eight infrared remote control codes
- With infrared transmitter function, capable of sending 99
 infrared remote control codes
- $\bullet \ \ \text{With four logic relations: OR, AND, NOR, NAND}\\$
- With up to 32 logic block functions, can be set nine input conditions, each logic block can be set 10 output targets
- 2 relay outputs
- · Security function, to be used with the security module
- Support HDL-BUS Pro online upgrading

Functions

- Equipped with brightness sensor, air quality sensor, two dry contact inputs, two universal switches, logic state etc which can be used as input conditions
- Two logic relations: Or, And
- With up to 24 logic block functions, max seven logic input conditions, up to 20 target outputs for logic conditions
- Security function, to be used with the security module
- Support HDL-BUS Pro online upgrading

 $72/ extstyle{\mathsf{HDL}}$

RF Receiver

MRF16.4C / MWH6

IR/RF Remote Controller

MTIRW

NEW PRODUCT

MRF16.4C



Parameters

· Installation: Ceiling Mount

Power supply: DC12-30V

Frequency of carrier wave: 433.1580MHz

Bus Power Consumption: 30mA/DC24V

Receiving distance: 100M

Dimension: 63 x63x 52(mm)



Battery: Lithium (3.7V,1000mAH)
Working current: 50mA
Standby current: 0.8mA
Frequency of IR: 38KHZ
Frequency of RF: 433.1580MHz
IR Sending Distance: 5m
RF Sending Distance: 100m
Dimension: 160 x 60 x 28(mm)
USB Interface: Software Upgrade, Charging







MWH6



Parameters

Power supply: DC12-30V
Frequency of carrier wave: 433.1580MHz
Interface: HDL-BUS
Bus Power Consumption: 30mA/DC24V
Receiving distance: 100M
Dimension: 106 x 39.2(mm)
Installation: Wall Mount or Ceiling Mount

Features

- LCD display, menu-type operation, easy to use
- · Built-in Li battery, can be recharged via USB
- · Icon can be changed via PC-based tool software
- · Support IR and RF emitting, and IR learning.
- Support all HDL button panels
- · Support multiple pages, can hide/display page
- · Support English and Chinese language
- · Support key tone





Functions

- Wireless function: Connect to at most 4 wireless controllers with different addresses, and read the current remote address
 Key mode: single-on/off, single-on, single-off, combined on, combined off
- Maximum 99 objects for each key, 2×8 control keys for each controller (except combine function)
- Control objects: Scene, series, timer, general switch, single channel adjust
- Can set up to 8 different buttons programs
- Support HDL-BUS Pro online upgrading

HDL*\73



SB-HHR-D/MWRT12



IR Learner / IR Emitter With Current Detector

B-IR-Learn.01 / SB-IR-EM

SB-HHR-D



Parameters

Power: Button Cell 3V
IR Sending Distance: 5m
Dimension: 48 x88 x 14.5(mm)

Parameters

Frequency of IR: 38K Hz ± 20%
 Installation: USB 2.0 Interface
 Dimension: 98x70x38(mm)
 For Learning IR codes, sending learned IR codes for test
 USB Interface, no drive for use
 Indicator LED flashing when learning code

SB-IR-Learn.01



RF Remote Controller

MWRT12

MWRT12



Parameters

Frequency of RF: 433.1580MHz
RF Sending Distance: 100m
Dimension: 126 x 66 x 17.5(mm)

Functions

• It should work with mwh6

Parameters

Power supply: DC12-30V

BUS power consumption: 12mA/DC24V

Remote controller code storage: 253 IR codes

IR Transmit carrier frequency: 38KHz

Dimension: 45x40x13(mm)

IR remote control signal transmitter

Detecting state of controlled equipment

SB-IR-EM





SB-DN-1IP/SB-DN-EIB



SB-DN-RS232N



SB-DN-1IP



SB-DN-EIB





Parameters

Power supply: DC12-30V
BUS power consumption: 15mA/DC24V
Installation: Standard 35mm Din Rail
Signal interface: RS232/HDL-BUS
Dimension: 72x90x66(mm)
Support HDL-BUS Pro online upgrading

SB-DN-RS232N



Parameters

- Power supply: DC12-30V
 BUS power consumption: 40mA/DC24V
 HDL-BUS subnet numbers: 1 HDL-BUS subnet
- * HDL-605 subilet liulibers. 1 HDL-605 subile
- Signal interface: HDL-BUS, RJ45
- Installation: Standard 35mm Din Rail
- Dimension: 72x90x66(mm)

Parameters

KNX Power supply: DC21-30V
KNX power consumption: 5mA/DC24V
Interface: HDL-BUS
EIB-BUS (KNX)
Programming software: HDL-BUS Pro setup tool
Installation: Standard 35mm Din Rail
• Dimension: 72x90x66(mm)

Professional Rs232 module

SB-DN-232IP-Pro

Functions

- HDL-BUS and Ethernet double way data communication
- support internet remote access connection
- Intelligent data exchange, reducing data traffic

Functions

- HDL-BUS and KNX two ways data converting
 Supports multiple types of data points
- Can be set up to 254 goals in two-way conversion control

Functions

Power supply: DC12-30V
BUS power consumption: 85mA/DC24V
Installation: Standard 35mm Din Rail
Signal interface: RS232/RS485
HDL-BUS
• Dimension: 72x90x66(mm)
Gateway between HDL-BUS and Ethernet

SB-DN-232IP-Pro



78/ HDL:



4/8 Channel Dry Contact Sensor

MSD04.40 / MSD08.40

4 Channel Dry Contact Input / 4 Channel Temperature Sensor

SB-DRY-4Z / SB-MTS04.20



MSD08.40

MSD04.40



SB-DRY-4Z



SB-MTS04.20



Parameters

- Power supply: DC12-30V
- BUS power consumption: 20mA/DC24V
- Installation: Screw fix installation
- Dimension: 45x45x16(mm)

Parameters

- Power supply: DC12-30V
- BUS power consumption: 20mA/DC24V
- Installation: Screw fix installation
- Dimension: 45x45x16(mm)

Parameters

- Power supply: DC12-30V
- BUS power consumption: 20mA/DC24V
- Installation: Screw fix installation
- Dimension: 45x40x13(mm)

Parameters

- Power supply: DC12-30V
- BUS power consumption: 9mA/DC24V
- Thermister operating temperature range: -30 °C ~ 100 °C
- Installation: Standard 86x86(mm) installation
- Dimension: 45x40x13(mm)

Functions

- 8 channels dry contact input
- Dimming function
- Tamper alarm
- $\bullet\,$ Security function, to be used with the security module
- Switch type: Mechanical switch, Single-On, Single-Off,
 Single-On/Off, Combination-On, Combination-Off, Combinations,
 Multi-functional, Parallel switch
- Control target type: Scenes, sequences, universal switches, single channel adjustment, broadcast scene, broadcast channel, curtain control, panel control, GPRS function, fire alarm control and music play functions
- Support HDL-BUS Pro online upgrading

Functions

- 4 channels dry contact input
- 4 channels state indicator output
- Dimming function
- Tamper alarm
- Security function, to be used with the security module
- Switch type: Mechanical switch, Single-On, Single-Off,
 Single-On/Off, Combination-On, Combination-Off,
 Combinations, Multi-functional, Parallel switch
- Control target type: Scenes, sequences, universal switches, single channel adjustment, broadcast scene, broadcast channel, curtain control, panel control, GPRS function, fire alarm control and music play functions
- Support HDL-BUS Pro online upgrading

Functions

- 4 channels dry contact input
- · Dimming function
- Security function, to be used with the security module
- Switch type: Mechanical switch, Single-On, Single-Off, Single-On/Off, Combination-On, Combination-Off, Combinations,

Multi-functional, Parallel switch

- Control target type: Scenes, sequences, universal switches,
- single channel adjustment, broadcast scene, broadcast channel, curtain control, panel control, GPRS function, fire alarm control
- and music play functions
- Support HDL-BUS Pro online upgrading

Functions

- 4 channels temperature detection
- Each thermistor channel has 3 setting modes:By default,

 $predetermined\ resistance,\ custom\ indexing\ table$

HDL Z-Audio Music Player / 1.2A Z-Audio Power supply

SB-Z-Audio / SB-DN-PS1.2AD



MPB03.48



SB-Z-Audio



SB-DN-PS1.2AD



Parameters

Power supply: DC±24V
Static power consumption: 1.6w
Signal interface : RJ45、SD Card、HDL-BUS、RCA
audio input, audio output
Audio input voltage: 0.7vpp
• Input impedance : $50 \text{K}\Omega$ •
• Output impedance : RL = 8 Ω 、 RR = 8 Ω
Output power: 20W x 2
Total Harmonic distortion: <0.05%
Signal to Noise Ratio: 97dB
Frequency response : 22Hz—20KHz
• Length of file name : \leqslant 25 byte
Music file format: Mp3
• Volume of SD Card : \leqslant 8 G
• Dimensions : 224×126×39(mm)

Functions

•	Power supply: AC110 /220V±10%
•	Frequency: 50~60HZ
•	Output current:1A
•	Output voltage:DC±24V
•	Installation : Standard 35mm Din Rail
	Dimensions: 144×90×66(mm)

Functions

 External input Internal SD card • FM radio • FTP Server Voice prompts HDL-BUS Pro communication

Parameters

• Power supply : DC12-30V • BUS power consumption: 25mA/DC24V • Installation : Standard GI box • Dimensions: 86×86×22.2(mm)

MPB03.48





Functions

Visiting function , time setup;	Backlight brightness adjustable
Do not disturb	Support HDL-BUS Pro upgrading
Please clean	

Keep improving

Laser engraving Highlight the metal chrome material Working state display









MPH101.48 MPH102.48 MPH104.48 MPH108.48



HDL*\81 82/HDL

Hotel Door Bell / Air Condition Switch

MPB01.48 / MPAC01.48

Hotel Master Card Switch

MPC01.48 / MHIC.48



NEW PRODUCT

MPB01.48



Parameters

Power supply: DC12-30V
BUS power consumption: 24mA/DC24V
Installation: Standard GI box
Dimensions: 86×86x22.2 (mm)

Functions

PRIVACY status display;Visiting function;Support HDL-BUS Pro online upgrading

Parameters

Power supply: DC12-30V

BUS power consumption: 24mA/DC24V

Card type: MIFARE ONE S50 13.56MHZ

Installation: Standard GI box

Dimensions: 86×86×32(mm)

Functions

Insert key for power
Identification, insert a different card, run the corresponding scene card types: Guest card, service card, cleaner card, maintainer card, administrator card etc
Can be set mechanical switch when plug the card, the switch can be set 1 to 49 targets.

Other key mode can be set 1 to 99 targetsSupport HDL-BUS Pro online upgrading

MPC01.48





NEW PRODUCT

MPAC01.48



Parameters

Power supply: DC12-30V
BUS power consumption: 25mA/DC24V
Installation: Standard GI box
Dimensions: 86×86×22.2(mm)

Functions

Control temperature, speed, mode, on/off
Air conditioning mode: cooling, heating
Speed: high, low, medium
Display indoor temperature and air condition status etc
Support HDL-BUS Pro online upgrading

Parameters

Power supply: DC12-30V

BUS power consumption: 24mA/DC24V

Card type: MIFARE ONE S50 13.56MHZ

Installation: Standard GI and EU box

Dimensions: 86×86×20.5(mm)

Functions

Working with MPPI.48 panel power interface
 Insert key for power
 Identification, insert a different card, run the corresponding scene
 Card types: guest card, servicing card, cleaner card, maintainer card, administrator card etc
 Can be set mechanical switch when Plug the card, the switch can be set 1 to 49 targets. other key mode can be set 1 to 99 targets
 Support HDL-BUS Pro online upgrading

MHIC.48

NEW PRODUCT



HDL* \83

84/HDL*

Hotel Door Bell

SB-3S-Bell-XS/SB-3S-Bell

Hotel Room Multimedia Panel

Multi Media Connector



SB-3S-Bell-XS



Parameters

• Power supply: DC15-30V • Bus Power consumption: 45mA/DC24V • Dimension: 105 x 170 x 40mm Installation: Back Box for HDL

Functions

 Show different Number of Room, DND, Clean Room, and Laundry Support HDL-BUS Pro online upgrading

AC10.256 /Power Socket



PC.256 /Data Outlet



TEL.256 /Telephone, Data Outlet



EM.256 /Panic Button Panel



SB-MS-Black



• Power Socket/ Telephone Outlet/ Data Outlet/S-VIDEO / AUDIO /VGA USB /HDMI

SB-MS-White

SB-MS-Black-S

AUDIO /VGA USB /HDMI

SB-MS-White-S



• Power Socket/ Telephone Outlet/ Data Outlet/S-VIDEO / AUDIO /VGA USB /HDMI





• Power Socket/ Telephone Outlet/ Data Outlet/S-VIDEO /

• Power Socket/ Telephone Outlet/ Data Outlet/S-VIDEO / AUDIO /VGA USB /HDMI

SB-3S-Bell



Parameters

• Power supply: DC15-30V • Bus Power consumption: 45mA/DC24V • Dimension: 105 x 170 x 40mm Installation: Back Box for HDL

Functions

• Show different Number of Room, DND, Clean Room, and Laundry Support HDL-BUS Pro online upgrading

Touch Panel

Hotel Room Door Bell Panel/Hotel Master Card

Touch Panel

Hotel Room Air Condition Control Panel / Hotel Radio Control Panel



SB-3S-Bell-Edge



Parameters

Power supply: DC12-30V

Bus power consumption: 15mA/DC24V

Installation: Standard GI box

Dimension: 86 x 86 x 9mm

Functions

Show different color of DND, Clean Room, Wait Mode
 Door Bell
 Support HDL-BUS Pro online upgrading

Parameters

Power supply: DC12-30V
 Bus power consumption: 25mA/DC24V
 Installation: Standard GI box
 Dimension: 86 x 86 x 9mm

Functions

Control temperature, speed, mode, on/off
Air conditioning mode: cooling, heating, automatic
Speed: high, low, medium, automatic
Display indoor temperature and air condition status etc
Support HDL-BUS Pro online upgrading

SB-AC-Edge



SB-RF-MSTR-Edge



Parameters

Power supply: DC12-30V
Bus power consumption: 15mA/DC24V
Card: MIFARE ONE S50 13.56MHZ
Installation: Standard GI box
Dimension: 86 x 86 x 9mm

Functions

Insert key for power
 Identification, insert a different card, run the corresponding scene card types: Guest card, service card, cleaner card, maintainer card, administrator card etc
 Can be set mechanical switch when plug the card, the switch can be set 1 to 49 targets.
 Other key mode can be set 1 to 99 targets
 Support HDL-BUS Pro online upgrading

Parameters

Power supply: DC12-30V
Bus Power Consumption: 30mA/DC24V
Installation: Standard GI box
Dimension: 86 x 86 x 9mm

Functions

Up to 16 different Channel for Radio Station
 Radio Channel Selection
 Support HDL-BUS Pro online upgrading

SB-FM-Edge



HDL*\87



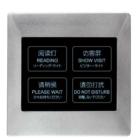
Hotel Room 4 button Control Panel

Hotel Room Control Host

SB-DN-48HNET



SB-WS4-Edge



SB-WS3-Edge



SB-WS2-Edge



SB-WS1-Edge



Parameters

Power supply: DC12-30V
 Bus power consumption: 15mA/DC24V
 Installation: Standard GI box
 Dimension: 86 x 86 x 9mm

Functions

• Co	ontrol Mode:
Sii	ngle On/Off, Combination On, Double Click/Single On-
Of	ff Single On, Combination Off, Double Click/ Combination
Or	n-Off Single Off, Combination On/Off, Momentary
• Co	ontrol Type:
Sc	cene, Universal Switch, Broadcast Scene Sequence,
Si	ngle Channel, Broadcast Channel Timer, Curtain
• Su	upport HDL-BUS Pro online upgrading

The multifunctional button









SB-WS4-Edge SB-WS2-Edge SB-WS1-Edge SB-WS1-Edge

Parameters

Power supply: DC12-30VBus Power Consumption: 40mA/DC24V

Installation: Standard 35mm Din Rail

• Dimension: 72 x 90 x 66mm

SB-DN-48HNET



Functions

- Soft Reset
- 48 Channel control
- Total 99 scenes, each scene's running time is (0-250 second)
- Switch function: HDL-BUS and Ethernet exchange
- Receive the doorbell for touch control signals, control the
 doorbell status display
- Can identify Insert card module status and set scene and target
- Control the various states of A/C and upload the statue to
 the monitor software.
- Control the various states of curtain and upload the statue
- to the monitor software
- Receive various of panel's control signal, deal with channel
- and module's control
- High Scalability:add corresponding control component on
- the master control module when need expand new functions.
- And the system can work perfect with any exist systems. Such as:BAsystem,the central control system and security systems.
- Support HDL-BUS Pro online upgrading





24CH Hotel Room Relay Module / 24 Zone Dry Contact Input Module

MHR2402.232 / SB-DN-DRY-24Z

Hotel Guest Room MIX Controller

SB-DN-HMIX12/SB-DN-HMIX20



MHR2402.232



Notes: To be used together with Hotel Room Control Host (SB-DN-48HNET)

SB-DN-DRY-24Z



SB-DN-HMIX12



SB-DN-HMIX20



Notes: To be used together with Hotel Room Control Host (SB-DN-48HNET) 6-13ch fluorescent lamp or LED light load less than 100W

Parameters

Power supply: DC24V
BUS current: Dynamic current: 480mA
Static current : 30mA
Current in each channel: 2A
• Dimension: 144 x 90 x 66mm
Installation: Standard 35 mm Din Rail

Parameters

Power supply: DC24V
BUS power consumption: 12mA/DC24V
• Dimension: 144 x 90 x 66mm
Installation: Standard 35 mm Din Rail

Parameters

Power supply: DC24V
BUS power consumption: 200mA/DC24V
Installation: Standard 35mm Din Rail
• Dimension: 144x90x66(mm)

Parameters

Power supply: DC24V
BUS current: Dynamic current: 350mA
Static current: 30mA
• Dimension: 144 x 90 x 66mm
Installation: Standard 35 mm Din Rail

Functions

• 24 channels relay output

Functions

24 channels dry contact input
 Switch types include: Mechanical switches, Single-on, Single-Off,
 Single-On/Off, Combination on, Combination off, Combination
 On/Off, Invalid Switch, (Both mechanical switches and
 combination switches can set 49 control targets)
 Control target type: Scene, Sequence, Universal, Switch,
 Single Channel, Broadcast scene, Broadcast channel, curtain
 control, panel control, GPRS and so on.
 Security alerts feature need to be used together with Security
 Command Module

Functions

Channel No.10 and 11 are dimming outputs
Max 12 areas, each area has 48 scenes
Channel No. 1 to 8 are switch outputs, each channel 5A.
Channel No.12 is DC0-10V control signal output for 0-10V
fluorescent and LED light control
Channel No.9 is curtain switch control
Support HDL-BUS Pro online upgrading

Functions

• 1-3 channel, it control the low, medium and high levels for air
-conditioning
• 4-5channel, it control the heating, refrigeration solenoid
valve for air-conditioning
6-13 channel, it control the lamps (Current less than 1A)
• 14-15 channel, it control the lamps (Current less than 5A)
• 16-18 channel control the lamps for silicon control
(Current less than 2A)
19-20 channel control the lamps for controllable silicon
dimming (Current less than 2A)
Relay lifetime: Up to 60000

HDL*\91

HDL-Bus System Program Software

SB-PW-Back



GMS



SB-PW-Back



Description

• HDL-BUS Pro Software is a flexible and powerful design tools, it is to be used for parameters setting for all HDL-BUS Products

Description

- HDL-Bus System Graphics Supervisory Control Software is the powerful and convenient graphical software, It graphically monitoring and control over the lighting circuit, it have run statistics with data, status for alarm, timer control, scene control, dimming controls, and hyperlink.
- Optional types: MSCS.100, MSCS.200, MSCS.500, MSCS.1500, MSCS.NL
- Number of monitored objects: 100 controlled point, 200 controlled point, 500 controlled point, 1500 controlled point, and infinite controlled point.

GMS



SHOW-CONTROL Software

MSSHOW.V1.0





Description

SHOW-CONTROL is a lighting control, audio control, video control, performance control, as one set of multimedia software, providing third party interface to facilitate expansion of the system.

 It according to the user needs to show the effect of programming, and control the audio, video, image. meanwhile, through the network coordinated control the HDL-Bus home automation system, HDL LED Stage Lighting and Third party provide the systems or equipment. Through the combine with art and science, complete the user needs or satisfactory effect, to be achieved is purpose of acoustics, optics, and synchronization performance, then show the new feeling to people.

Description

HDL-Bus Hotel Room Intelligent System Manage Software can be monitor to hotel room status and information, the database management, will safety and reliability. To management and control the hotel room entrances guard system, central air conditioning system, the intelligent light system, and the service system, room status will various intuitive ways of interacting dynamically to displayed, real-time to reflect room state, guest needs, services and equipment, assist in hotel room equipment, internal resource for real-time control of the integrated management and control system. The system uses modular design, has energy-saving, efficiency, and offers personalized service to customer, raising the level of hotel management and the hotel images.

Functions

- Easy for program and operate based on graphic icon.
- User-defined material, show the reality picture about the Hotel Room
- "SOS" "Safety Box Protection" and many other functions, all lamps to centralized for management features
- Energy saving control function and Monitor for Air-conditioning
- Intelligent ID identify, more safety for customers, and reducing the energy consumption for hotel
- Date back up and restore function
- Curtain status for graphic display and control
- · Dynamic fan graphic effects control

Intelligent Hotel Room Management Software

IHMS.V1



