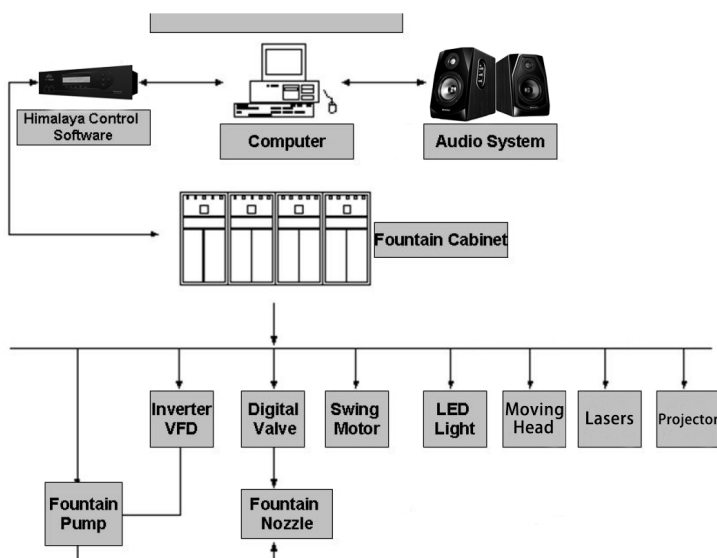


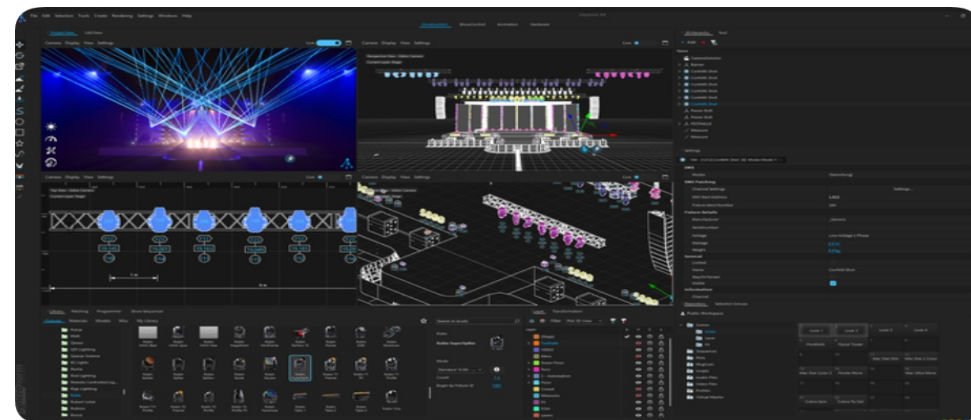
# Music Fountain Control System



The Music Fountain employs a kind of on-spot industrial control system that incorporates the latest advanced scientific technologies prevailing around the world, including music control, programmable control and intelligent control technologies. The master control system of the music fountain consisting of multi-media industrial computers, is capable to recognize the melody, rhythm, volume and frequency of the music pieces and realize the real-time control of the whole system and the synchronization of water and music. It is set up with the convenient operation interfaces and has the function of programming music tracks. There are three kinds of MF control systems: centralized control, on-spot bus control and network bus control.

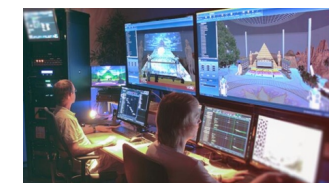


# Music Fountain Control Software



## Synchronorm Dependence

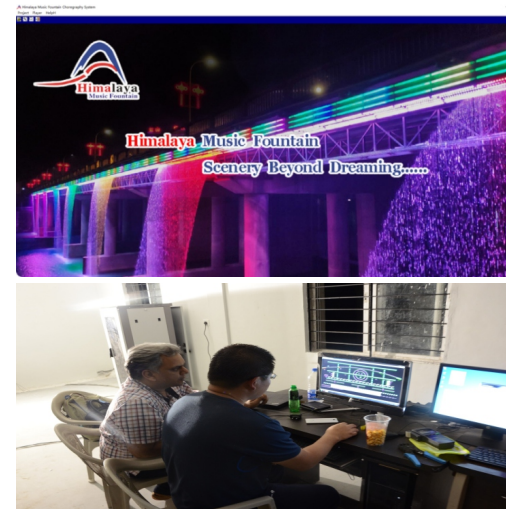
The Synchronorm Dependence system offers multimedia soft- & hardware solutions, bringing the art of fountain & stage design to sheer life. Explore our wide range of products, which not only brings you realistic show visualization, but also tools for designing, programming & running complex show projects as well as other multimedia-based productions at the highest standards.



## Synchronorm Dependence

The Music Fountain employs a kind of on-spot industrial control system that incorporates the latest advanced scientific technologies prevailing around the world, including music control, programmable control and intelligent control technologies.

Himalaya self-developed control system of the music fountain consisting of multi-media industrial computers, is capable to recognize the melody, rhythm, volume and frequency of the music pieces and realize the real-time control of the whole system and the synchronization of water and music. It is set up with the convenient operation interfaces and has the function of programming music tracks.



# Music Fountain Control Cabinet

NEntertainment fountain, waterfalls, super-high fountain and other specialty fountains as well all need special control system.



Network Bus Control System has an fundamental Improvement in performance compared with On—spot Bus Control System though they are quite similar in structure. a. Network Bus Control is a completely distributed system. It speeds up the electrical system and satisfy the real—time control need of music fountains. Also, it runs more stable. b. It can support the bus control structure, radiated structure as well as the mixed ones. c. The main difference between Network Bus Control and Local Bus Control is that the former employs a special network operation system to ensure the operation of all equipment around the network.. d. The commissioning and maintenance of the electrical system are more convenient.

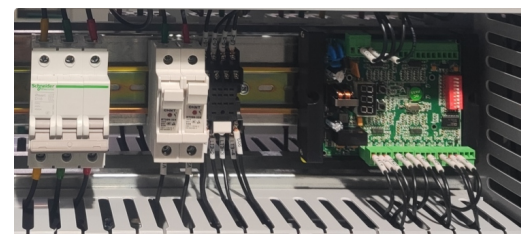
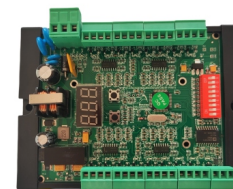


# VFD Control

Himalaya VFD control adopts the latest techonogy, converting DMX signals to analog output. The output profile could editted with Himalaya software. And equipment is with optical insolation for power/signal input/output circuits. Each equipment could be set with appointed address, and with separate insulated outputs for VFD control. Could be easily shifted between 0-10v and 4-20ma type.

VFD with a good number will accumulate the harmonic waves, and overtake threshold of control circumstances, causing equipment's losing control. Himalaya Analog insulators is an equipment to insulator interference from harmonic waves from VFD. This could ensure that each vfd could be precisely controlled as per the analog profile.

## Analog Board



## Division Board



# DMX Server

## Front Panel



The Comnet Ethernet connector is intent to be use for Internet / Remote access. Do not use it for any Show relevant network connections i.e. ArtNet.

## Back Connectors



## Getting Started

Get out carefully the device out of the cardboard box and remove the packing material of the device. Place the device on a secure underlay or screw in the device in a 19"-rack. Use a plastic wave washer for the rack bolts, because otherwise the special spatter repelling front panel foil could be destroyed.

## Connecting

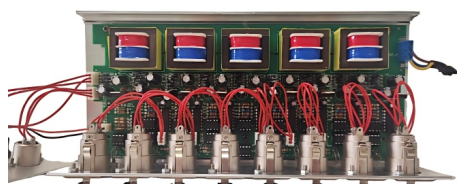
1. Make sure you have switched off the device on backside
2. Now connect a IEC power cord with 110/230V AC to the device
3. Connect the V:Server to your Shownet Network using the Ethernet connector on BACKSIDE
4. Connect an USB Keyboard, Mouse or Touch Screen to one of the available USB-Ports
5. Connect a Monitor to one of the DVI connectors
6. Connect your DMX devices

## First start-Up

1. Switch on the Device on backside
2. Wait until the V:Server boot is finished, this can take several minutes on first start up.
3. As soon as you can see the Info page the Server has start up completely See Setup Network Connection to setup all Network settings to get access to your V:Server using V:PAD.

# DMX Amplifier

## DMX-8 (or DMX-4)



## DMX-8 (or DMX-4)

DMX-8 (or DMX-4) Splitter is a DMX512 distribution amplifier. It is specially designed for connection of DMX receivers (dimmers, color changers, moving lights, etc.) in a star configuration. DMX-8(or DMX-4) can surmount the restriction that single RS485 can only connect 32 sets of equipment. The multiple output optically isolated DMX512 distribution amplifiers have become necessary in many DMX512 systems. DMX-8(or DMX-4) provide total electrical ground isolation between different branches of the star. This greatly decreases problems with ground loops. DMX-8(or DMX-4) amplifies and refits the DMX signal, that it makes the DMX data transmission more reliable.

## Technical specifications

- Fully compliant to DMX-512 (1990) specification.
1. Inputs and outputs are true RS-485 rated.
  2. 3 pin XLR input and a passive loop through.
  3. 8 or 4 way isolated DMX splitter output.
  4. Input isolated from outputs over 1000VDC.
  5. Outputs are isolated from each other over 1000VDC.
  6. Power supply, 90~240VAC 50Hz/ 60Hz, 15W.
  7. 1U high 19 inch rack mount construction.

