LedSync82xx

Instructions of Timing Control
LedSync82xx Timing Control

- LedSync82xx is released with a Timing Control Software: ![LedSync.exe](image-url), with this software, we can:
  - Operate LedSync82xx manually, or control it automatically by a Timing Control Plan
  - Switch the input source, Change brightness of output image or Switch picture display modes automatically
  - Timing Control Software can run on a local PC, and receive a Timing Control Plan from internet network
  - Timing Control Software can run on a remote PC, and send control commands directly to LedSync82xx by TCP/IP

I. Applications

LedSync82xx as described in this manual represent the following models:

- LedSync820B
- LedSync822
- LedSync820C
- LedSync822A

II. Control Mode

- LedSync82xx can receive the operation commands from upper machine software to switch input source or change brightness of output image. LedSync82xx upper machine software provides 3 communication control modes below:
  - RS232 serial communication control by local PC
  - TCP/IP LAN control by remote PC
  - TCP/IP WAN control by remote PC

III. RS232 Control

- In this mode, user can manually operate LedSync82xx via RS232 control software: ![LedSync.exe](image-url), or create Timing Control Plan to control LedSync82xx automatically. ![LedSync.exe](image-url) can carry out the following operations and control over LedSync82xx:
  - Switch input source
  - Change brightness of output image
  - Switch picture display modes

In this mode, first, connect a available PC’s COM port to RS232 IN port
of **LedSync82xx**, then run Timing Control Software: ![LedSync.exe]

1. **User Interface**

After the program runs, main user interface will appear in the screen, see Figure 1 below:

![Figure 1]

This interface consists of three parts: **A**, **B** and **C**.

- **A**: The dialog of editing a Timing Control Plan
- **B**: Manually control interface
- **C**: Current time
2. Manual Operation

User can manually operate LedSync82xx through interface, e.g. switch input video source or change brightness of output image. See Figure 2:

First, select the COM port to be connected to the device, such as COM1, then directly select input video source and brightness manually.

3. Timing Control

User can also prepare a Timing Control Plan. Software will automatically operate and control LedSync82xx based on the preset schedule, e.g. switch input video source or change brightness of output image. See Figure 3 for the samples of plan.

---

LED VIDEO PROCESSOR
As above Figure shows, there are two types of plans:

- **Cycle Plan**
- **Once Plan**

Cycle Plan includes following three types:

- **Day Plan**
- **Week Plan**
- **Month Plan**

User can choose one on his/her demand.

**Day Plan** specifies hour, minute, second, each Day Plan can contain maximum 240 plan items;

A week has 7 days. **Week Plan** specifies week day, hour, minute, second, each Week Plan can contain maximum 7 x 240 plan items;

A month has 31 days. **Month Plan** specifies which day in the month, hour, minute, second, each Month Plan can contain maximum 31 x 240 plan items;

**Once Plan** specifies year, month, day, hour, minute, second, each Once Plan can contain maximum 360 plan items;

**Cycle Plan** and **Once Plan** can be placed in together. But there are three types of **Cycle Plan**, i.e. **Day Plan**, **Week Plan**, **Month Plan**, use can only place in one type of cycle plan together with **Once Plan**.
4. Edit Plan

The items of each plan can be added, modified, deleted. See Figure 4 for details on how to add Day Plan item:

Figure 4
5. Select Plan

User can open and edit 6 plans simultaneously, and select any one opened plan to execute automatically. See Figure 5 for details on how to select sample.plan (day) plan:

![Figure 5](image)

6. Start Plan

Select the plan to be automatically executed, click Start button, the system will execute it automatically, in the mean time, the button turns into Stop, the moment, if you click it, the system will stop executing the plan. See Figure 6:

![Figure 6](image)
IV. TCP/IP LAN Control

1. TCP/IP LAN Configurations

To realize remote control over LedSync82xx through LAN, LedSync82xx should be configured with TCP/IP -> RS232 conversion module: C2000. C2000 is not included in standard configurations of LedSync82xx, user should separately acquire it when placing orders.

After LedSync82xx and C2000 are properly connected, run software LedSync.exe, and enter the interface as shown in Figure 7:

![Figure 7](image)
Click the menu Device->Setup TCP/IP, setup interface will appear in the screen. See Figure 8:

![Figure 8](image)

Click **Search** button, the moment the interface will prompt “finding the connected C2000 converter”. Click **Get** button to obtain the net setup of device. Click **Load default** button to use default setup. Click **Set** button to change net setup of device.

**Caution**: while in LAN mode, please check the Internet IP setup of router. IP of C2000 must be set in the same network segment.

After C2000 setup is finished, return to device dialog box interface of **LedSync82xx** software. As shown in Figure 9 below, select TCP/IP in the column “Connect”, enter internal IP address of C2000 in the address column. Click **Connect** button. When the connection is successful, the button turn into “DisConnect”.

![Figure 9](image)
2. TCP/IP LAN Control

When TCP/IP connection is successful, the way to control LedSync82xx is the same with that of RS232 control mode. For details please refer to above sections (III. RS232 Control).