# 

# Lamp Post Sign Operation Manual



### Sensor

Monitor Urban Environmental Conditions -Noise Sensor -Air Pollution Detector -Temperature/Humidity Sensor -Brightness Sensor -Municipal Building Monitoring ίI

### Video Surveillance

-Security Monitoring -Vehicle Monitoring



## RFID

-Special Population Monitoring -Manhole Cover Monitoring -Community Security Monitoring -Municipal Facility Monitoring

**Emergency Call** 

-Outfield Extension Contact the

-Active Broadcast from Monitoring

**Monitoring Center** 

Center

### Wireless Network

Intelligent Lighting

-Light Distribution Based on Uniform Brightness

-Intelligent Single Lamp/ Centralized Controller

-Multiple Modular Design Lamp Holder Optional

-Cellular Thermal Technology



-WiFi hotspot Embedded in Street Lamp -Micro Base Station



### Information Release

Advertising Playback **Current Politics News** -Information Release









-Electric Vehicles - Electric Bicycle

With the promotion of smart cities, smart lamp post have begun to gradually replace the old lamp post and achieving the multifunction. Lamp post sign as a media transmission has also become one of the important standard equipment in the smart lamp posts. For the cluster control synchronous playback of the lamp post sign, this manual specifically introduces the implementation steps of Lora synchronization:

### 1、Lamp Post Sign Solution Introduction



Y series control card and Lora module synchronous control method

### Synchronization module description:

MASTER is the Lora master synchronization module; Slave is the slave synchronization module. A set of synchronous screen solutions requires one master synchronization module plus multiple slave synchronization modules and Y series control cards.

### Installation location description:

The synchronization master card needs to be installed in the middle, and the synchronization slave card is installed within a 500-meter radius of the synchronization master card. (For longer distances, please communicate with the salesman in advance to match the stronger signal equipment)

### Synchronous master card and synchronous slave card installation topology:



### 2、Synchronization Settings

Step 1: The player versions are updated to the xixunplayer7812 version (or 7811, 961 version) that supports the synchronization function (refer to the AIPS manual online update section)

ø	Onli	line	Id	Alias	Group	Network Type	Last offline	width	high	brightness	volume	Screen status	sensor	Show lo	cking	Communication version	Player version	CardSystem	Update	Starter	BasicApp
۲			y30-219-84205 ✔	noname	Warehoused	Ethernet	2019-12-14 17:22:25	1280	1024	255	0	on				9.8.4	sync-7.8.12	5.2.1	7.1	starter173	1.0
۲			y30-519-00559 🖌	noname	The third group	WIFI 🔻	2019-12-14 17:14:43	1280	512	64	12	on				9.8.4	sync-7.8.12	5.2.1	6.6	starter176	1.0
æ			y30-a19-01430 ✔	noname	Warehoused	WIFI 🔷	2019-12-14 17:20:50	128	32	68	12	on				10.1.9T	sync-7.8.12	5.2.1	6.6	starter179	1.3.1
<1																-					
	1	2 3	3 4 5 6	7																	

Step 2: Parameter configuration, select all terminals, Select "Method 1" for "Time" in "Synchronization Settings", Select "Do not synchronization" for "Brightness", "Volume" and "Screen Switch"Set a value as the synchronization code in "Synchronization identification code" (can be letters or a combination of letters and numbers) Click "Settings":



Step 3: After the setting is successful, select the synchronization main card

terminal, Select "Method 3" for "Time" in the synchronization settingsClick

"Settings":

Operation result :									
	, judhjus								
time⊜ way 1 ⊜ w Bynchronization in	interval (minutes / times) 10								
Set up Inquire		er background advanced	Backup restore Urgent	ted					
Alarm switch	🕈 Update online 🛛 Stestart syste	m 🛱 Terminal bransfer 📑	Upload log 🖉 Load HTML.	Wideo Surveilance	Nideo processor	Relay configuration			
🖪 Program task	<ul> <li>Screenshots / Rest-time me</li> </ul>	isage 🛱 Detete show 🖪	Targeted derivery 🚽 🖪 Live vide	eo 🖉 Streen switch	<ul> <li>Ocreen brightness</li> </ul>	40 volume control	Change group	Parameter configuration	O Hardware stabus

You can verify whether the configuration is successful through the "Query"

button.

You can also query the synchronization time. As shown in the

lastSynchronousTime below, the time value indicates that the terminal has

successfully synchronized;

🗄 Program task 🗖 Screenshots 🖌 Real-time mess	sage 💼 Delete show 🖪 Targeted delivery 🖪 Live video	O Screen switch O Screen brightness	40 volume control 🛛 💊 Change g	oup AParameter configuration	Hardware status
Alarm switch 🕈 Update online 🛛 Restart system	n 🛱 Terminal transfer 🛯 Dpload log 🖌 Load HTML 🗨	Video Surveillance 📲 Video processor	Relay configuration		
	r background advanced Backup restore Urgent text				
👁 🖲 Way 1 🔘 Way 2 🔘 Way 3					
ightness) Way 1 🛞 Do not sync					
olume 🛛 Way 1 🔹 Do not sync					
creen switch 🖯 Way 1 🛞 Do not sync					
yne IDxXxun001					
ne offset (ms)					
★ Set up					
Dperation result :					
2/14/2019, 5:26:12 PM get synchronize main c	ard synchron	nize slave card			
yse 2013 4 KMS (nomme) 🖌	y98-515-66559 (noname) ✔ birne: Mode 1	y06-ad9-01430 (noname) ✔ time: Mode 1			
brightness: no synchronization	brightness: no synchronization	brightness: no synchronization			
volume: do not sync	volume: do not sync	volume: do not sync			
screenSwitch do not sync IdentificationCode: xixon001	screenSwitch: do not sync identificationCode:xkon001	screenSwitch: do not sync IdentificationCode xixon601			
lastSynchronousTime 2019-12-14 17:21:45	lastSynchronousTime 2019-12-14 17:21:45	lastSynchronousTime 2019-12-14	17 21:45		
Sync interval 10	Sync interval 10	Sync interval 10	1121.40		
2/14/2019, 5:26:07 PM set					
100.519.03593 (nemame) 2	vill-add-bill/00 (nonsense) of				

### 3、 Create Programs

- 1. Upload local materials in the media library:
- 2. Enter the "Media Library" and upload the program material to the platform:



3. Please pay attention when uploading, wait for the platform to indicate that the upload progress is 100%, and you can see the materials are in the media library list that indicate the upload is complete. At this time you can do other operations on the platform, otherwise the upload process will be suspended due to other operations:



Note: Video only supports 3GP, MP4, as for MP4 encoding please preference for using Divx, Xvid, AVC/H.264, other encoding formats may cause playback errors! Please convert the video size to the size you want to play, or use the video in the common proportion(320p ~ 720p). If the video is wider than 1280 or higher than 1080, it will cause playback errors! Picture color mode only supports RGB mode, CMYK mode will cause black screen playback. If the picture cannot be played, please change the picture color mode to RGB mode (requires professional image processing software such as photoshop)

### 4、 Create Programs

There are two types of programs: "Easy Program" and "Advanced Program".

Easy Program: Support create regular pictures and video programs

Advanced Program: Support create pictures, videos, texts, clocks, weather forecasts, and more

This article takes the creation of the simple program as an example: ("Create the advanced program" please refer to the AIPS cloud platform instruction manual)

1. Click "Create Simple Program" and enter the width and height pixels of the program (that are the width and height pixels of the display):

.ay 🛛 terminal 📲	🗟 Media Library 🛛 🕿 proç	gram	🔓 Log+		Nerv- Ruser- # service # Sim too Un Create show
Programme list	7			width 256 high 256	
+ Create a simple show	<ul> <li>Create Advanced Show</li> </ul>				shut down OK
Show name	Types of	width	high	size	operating
54 * 64 time	advanced	64	64	0.000MB	🖸 modify 👔 copy 🔰 Create tasks quickly 🕹 download 👔 deléte 🗐 Terminal play lo
Sensor_five	advanced	64	64	0.000MB	🗈 modify 📓 copy 🔰 Create tasks quickly 🕹 download 📑 delete 🖽 Terminal play lo
raffic 3_Copy	advanced	64	32	0.164MB	🕼 modify 📓 copy 😫 Create tasks quickly 🔹 download 📑 delete 💷 Terminal play lo
Traffic 3	advanced	64	32	0.164MB	🕑 modify 📓 copy 🚊 Create tasks quickly 🔹 download 📲 delete 💷 Terminal play lo
Fraffic 2	advanced	64	32	1.840MB	🖸 modify 👔 copy 🔰 Create tasks quickly 🕹 download 📲 delate 🔠 Terminal play lo
iraffic 1	advanced	64	32	0.006MB	🗈 modify 👔 copy 🔰 Create tasks quickly 🕹 download 📑 delate 📰 Terminal play lo
a7g_video	advanced	512	512	4.016MB	🖸 modify 📑 copy 🚊 Create tasks quickly 🔹 download 🗐 delete 📰 Terminal play lo
17g	advanced	512	512	0.047MB	🕑 modify 📑 copy 🔰 Create tasks quickly 🔄 download 📲 delate 📰 Terminal play lo

2. Enter the program editing interface. The left is the media library material,

the middle is the program list, and the right is the program preview window:



3. Click "+" in front of the left material to add the selected material to the

program list:

Media grouping All 🔹		F	Program width: 256px 1	height : 256px	
image			节目名		🛱 Save
	BlueDream_1080.jpg	1		BlueDream_1080.jpg 10(s) 00:00.10 None	download
	9252150_142515375000_2.jpg 0.012MB				
	1 1ae67347cb93ff73dc3d0dfa485db9b.jpg ) .047MB				

4. After adding the materials, you can modify the picture playing time (unit is second) in the list area, move the playback order of the materials up and down, and delete the materials under the program list:

Program	width : 256px	height : 256px	
节目名			😫 Save
1			â
		BlueDream_1080.jpg 10(s	3)
• 💓		00:00:10	download
		None	

5. After the program is finished, set a name for the program and click

"Save" :

Media grouping All 🔻		Progra	m width:256px he	ight : 256px	
nage		tes 1			🛱 Save
3.70	eDream_1080 jpg 05MB	1	<b>S</b>	BlueDream_1080.jpg 10(š) 00:00:10 None	download
	12150_142515375000_2;pg 12MB				
	e67347cb93ff73dc3d0dfa485db9b.jpg 47MB				
	ng gif D3MB				
10.40 10	32.jpg 02MB				

The platform automatically jumps to the create program page, and you can

Types of All 🔹					
Show name	Types of	width	high	size	operating
test	simple	256	256	3.705MB	🕑 modify 👔 copy 🚨 Create tasks quickly 🛃 download 👔 delete 🔠 Terminal play log
64 * 64 time	advanced	64	64	0.000MB	😰 modify 👔 copy 🚨 Create tasks quickly 🛃 download 📋 delete 🔠 Terminal play log
Sensor_five	advanced	64	64	0.000MB	🖾 modify 👔 copy 🚨 Create tasks quickly 🛃 download 👔 delete 🔠 Terminal play log
Traffic 3_Copy	advanced	64	32	0.164MB	😰 modify 👔 copy 🛎 Create tasks quickly 🛃 download 🔋 🛱 delete 🗐 Terminal play log
Traffic 3	advanced	64	32	0.164MB	😰 modify 📫 copy 🚨 Creats tasks quickly 🛃 download 📋 delete 🔠 Terminal play lop
Traffic 2	advanced	64	32	1.840MB	😰 moddy 📑 copy 🛎 Create tasks quickly 🛃 download 🗎 delete 🔠 Terminal play log
Traffic 1	advanced	64	32	0.006MB	😰 modify 📫 copy 🖄 Creats tasks quickly 🛃 download 📋 delete 🔠 Terminal play lop
a7g_video	advanced	512	512	4.016MB	🖆 mosióy 🖆 copy 🛎 Create tasks quickly 🛃 download 🛱 delete 🗐 Terminal play log
a7g	advanced	512	512	0.047MB	😰 modify 📫 copy 🖄 Creats tasks quickly 🛃 download 📋 delete 🔠 Terminal play lop
a7	simple	512	512	0.012MB	🗹 moody 📓 copy 😫 Create tasks quickly 🛃 download 🔒 delete 🔠 Terminal play log

see the program just created:

6. Click "Quick Create Task" behind the program, automatically jump to the terminal page and create the program under the program task (administrator permissions automatically jump)

<b>D</b>	Screenshots	∳ Real-time message	🗑 Delete show	Targeted deliver	y 🖪 Live video	O Screen switch	0.0	
Alarm switch	Update online	CREat-unite message	Terminal transfer		Live vider	Video Surveillance	<ul> <li>Screen brightness</li> <li>Video processor</li> </ul>	•
Post a task								
icheduled tasks iend offline								
+		send		name				¢
G Î		*		test_Task				2
Ci 💼		*		64 * 64 time_Task				ŝ
c i		*		Sensor_Five_Task				3
c i		*		Traffic_Task				3
c i		*		a7g_video_Task				i.
c Î		*		a7g_Task				2
C a		*		a7_Task				
C â		(A)		a7_512*512_Task				2

7. To achieve the effect of synchronized playback, you also need to make the

timed program in the program task:

日 Program task	Screenshots		Delete show	E Targeted delive	ery 🖪 Live video	Screen switch	O Screen brightness	40 volume control	Schange grou
Alarm switch	1 Update online	${\cal G}$ Restart system	# Terminal transfer	Upload log	🖋 Load HTML	Video Surveillance	Video processor	Relay configuration	
Post a task									
Scheduled tasks									
Send offline									
+		send		name				Creation time	
<b>(</b>		*		test_Task				2019-12-14 15:16:16	
				64 * 64 time Task				2019-11-14 20:17:28	
der the	nroa	ram tas	k clic	k tha	odit	" 🖾	" of t	he corr	esnon

program to enter the set time, and the program will loop playback within the

set time:

Modify task ×								
ask name lest_lask								
+	Show name	size	priority	repezt times	Schedule			
<b>*</b>	test	NaNMB	1	1	+	Date range	time limit	Specify week
					<b>B</b>	permanent	00.00 - 23.50	
× 14								

8. Send the program, select all the terminals to send the produced timing

programs.

### FAQ:

The screens are out of sync:

- 1. Please check whether the synchronization antenna is connected well and whether to match
- 2. Check the synchronization settings and set them according to section 2 above.
- 3. Check if the master and slave Lora dial codes are normal
- 4. Whether the program have set timing
- 5. If synchronous main card is not synchronized recommend Lora main card does not carry the screen.