

CP8

V 1.0.0 del 18/07/2014

Operating specifications

机器连接方式:WP 供电电压为+12V;开机电流为 0.075A;注意接电源时要接线正确

485 连接为:A+接 485+

B-接 485-

Connection type: RS-485

通信方式: RS-485

User

Interface:



- "Set" key used to access the various menu and to confirm
- “SET”键主要功能是确认的功能;
- "Esc" button is used to exit from the menu below
- “ESC”键按下，是退出相应的功能;
- "EncButton" button associated with the relative encoder used to enter and exit the standby mode if the key is pressed for about 5-6 sec. Or with the single pressure allows the setting of the step when the system is on the menu for changing the values of Gain and Volume (Gain



=-127dB to + 12dB; Volume =-127dB to + 18dB)

- “EncButton”编码器功能：长按 5-6 秒，可以机器待机或显示；同时调到相应的菜单时，可以对 Gain 和 Volume 进行调节,调节范围(Gain =-127dB to + 12dB; Volume =-127dB to + 18dB)
- Relative Encoder: used to move between the various menu and change the value of the parameters.
- LCD display 2 x 20 alphanumeric
- 显示屏是 2*20
- Power ON Led: when lit indicates that the system is powered
- PWR:是电源指示灯;
- Eth Led: when lit indicates that the WP is communicating with the DMM8008
- Eth 灯:当机器连接后调节时,灯会有闪烁;

The CP8 module (WP) has 3 operating modes:

- CP8 墙面控制器有 3 种模式:

1. SYSTEM SETUP
2. MASTER MODE
3. ZONE MODE

The first time the WP part configured as MASTER with the following default settings:

Mode = MASTER MODE
Id = 01
Auto Stand-by = ON
Zone = 01
Lock = OFF

To access the **SYSTEM SETUP** you must hold down "Sel" + "Esc" + "EncButton" for about 5-6 sec.

如果要进入系统菜单 **SYSTEM SETUP** 需要同时按下 SET+ESC+编码器键,大概 5-6 秒钟;

To exit the **SYSTEM SETUP** you must press and hold the button "EncButton" for about 3-4 sec. In this way the WP goes into standby mode after which again press "EncButton" for about 3-4 sec to exit from standby mode.

To manually enter or leave from **Stand-by mode** you must press and hold the button "EncButton" for about 3-4 sec.

如果要退出菜单模式,需要长按编码器功能键 3-4 秒钟,此时屏幕变暗,再长按 3-4 秒,有显示;

SYSTEM SETUP Mode

The SYSTEM SETUP mode is used by the installer to configure the WP.

菜单 SYSTEM SETUP 下可以选择的功能项;

SYSTEM SETUP
Configure Mode

SYSTEM SETUP
Configure ID

SYSTEM SETUP
Configure Stand-by

SYSTEM SETUP
Configure Zone

- **Configure Mode:** Using this menu, you can configure the WP as Master Control or Control Zone
- **Configure Mode 模式下,确认后,有两个功能模式,即 Master Control 或 Control Zone**
- **Configure ID:** Through this menu it is possible to configure the ID for the communication with the DMM8008 device (the iD set to the WP must be the same as present on the machine)
- **Configure ID:**这个功能键盘,主要是可以调节 ID, 注意: 所设置的墙面控制 ID 号与 DMM8008 处理器的 ID 号相对应时,方可正常连接;
- **Configure standby:** with this menu you can configure the auto mode stand-by mode. In the normal functioning of WP if this parameter is set to ON then after about 40 activities not sec. The WP goes automatically into standby (display off)
- **Configure standby** 这个菜单的功能是,如果设置功能"ON",显示屏大概 40 秒后会处于待机状态,如果选择为"OFF"显示屏为常亮;
- **Configure ZONE:** this menu is only visible if the menu "configure mode" has been set the ZONE parameter. Through this menu you can set the area (output) that must be controlled by WP
- **Configure ZONE(矩阵模式):**这个菜单是可以看得很清楚,首先可以选择 ZONE 参数,通过菜单,你可以选对应的输出矩阵;

After selecting the Configure menu through encoder Mode

进入如下的系统的菜单模式

SYSTEM SETUP
Configure Mode

If pressed the SET button then via Encoder you can select between Master and Zone
旋转编码器和按 SET 键可以选择的模式为如下两种模式:

Configure Mode
Mode = Master

Configure Mode
Mode = Zone

Press the SET button to confirm and exit, press ESC to cancel and exit
用 SET 键来选择需要的功能模式,按 ESC 键退出

SYSTEM SETUP
Configure Mode

After you have selected the Configure menu ID encoders
旋转编码器,选项择如下模式

SYSTEM SETUP
Configure ID

If pressed the SET button then via Encoder you can select one among **64 ID**
通过 SET 键和编码器功能可以选择 ID 从 01---64

Configure ID
ID = 01

Configure ID
ID = 02

.....

Configure ID
ID = 64

Press the SET button to confirm and exit, press ESC to cancel and exit
用 SET 键选择对应 ID 号,退出用 ESC 键;

SYSTEM SETUP
Configure ID

After selecting the menu through encoder Configure standby

用编码器可以调节到下面功能

SYSTEM SETUP
Configure Stand-by

If pressed the SET button then via Encoder it is possible to select between Off and On

用 SET 键和编码器可以选择为 OFF 或 ON

Configure Stand-by
Auto stand-by = OFF

Configure Stand-by
Auto stand-by = ON

Press the SET button to confirm and exit, press ESC to cancel and exit

确认功能后,用 ESC 退出

SYSTEM SETUP
Configure Stand-by

After selecting the Configure menu through encoder Zone (only if MODE = Zone)

调节编码器选择 ZONE 模式

SYSTEM SETUP
Configure Zone

If pressed the SET button then via Encoder you can select between Zone = 1,...,8 (8 output)

用 SET 功能与编码器可以选择 ZONE=01---08

Configure Zone
Zone = 01

Configure Zone
Zone = 02

....

Configure Zone
Zone = 08

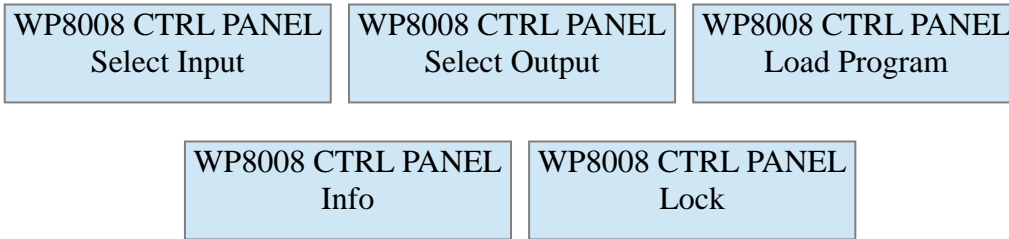
Press the SET button to confirm and exit, press ESC to cancel and exit

选择对应的输出通道后,用 ESC 键退出

SYSTEM SETUP
Configure Zone

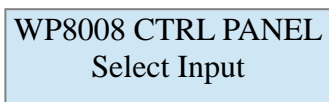
如果选择了 MASTER MODE MODE 模式时,各功能如下:

MASTER MODE Mode

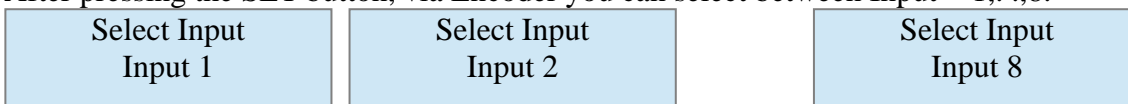


- **Select Input:** Via this menu it is possible to set the Gain control and input Mute
- 可选不同的输入通道,可以对每个输入通道调节 GAIN(音量)和 MUTE(静音);
- **Select Output:** Via this menu, you can configure the volume and Mute exit
- 可对不同的输出通道做音量(VOLUME)和静音(MUTE)调节;
-
- **Load Program:** Through this menu it is possible to load one of 6 presets
- 通过菜单,可以对机器做 6 个预设的调节;
- **Info:** Via this menu is display the model, version and ID set
- 功能可以查看相应的模式,版本号和 ID 号设置
- **Lock:** Through this menu it is possible to put WP in Lock
- 通过指功能,可以对墙面控制器加锁;

1. SELECT INPUT



After pressing the SET button, via Encoder you can select between Input = 1,..,8.



After selecting an entry (eg. Input2) and press the SET button is possible to select through the Mute encoder or Gain





If you select Mute and press SET, on the display you will see the following screen

Mute
Mute =

the Eth led will be turned on because the system sends a message to DMM8008 asking for the current status of mute on the selected input.

If the WP is not connected to the DMM8008 or the ID is not correct then the display will appear the following message

如果机器未与墙面控制器通信成功,会出现如下 Device not connected,表示未通信成功;

Mute
Device not connected

and after 2 sec. The Eth led will be turned off and the system will go back to the menu
 2 秒钟后,ETH 灯会关闭,系统会回到如下菜单

Input 2
Mute

If communication is successful, then the display will show the current status of the Mute
 如果连接成功,MUTE 可以做下面的调节

Mute
Mute = Off

Mute
Mute = On

through Encoder is possible to change the status of the Mute from ON to OFF or vice versa in real-time and the parameter will be updated on DMM880
 Press the Esc key to return to the start screen

Input 2
Mute

If you select Gain and down SET, on the display you will see the following screen
 选择 GAIN 模式,

Gain [dB]
Step=0.1dB G=

the Eth led will be turned on because the system sends a message to DMM8008 asking for the current status of the gain on the selected input.
 If the WP is not connected to the DMM8008 or the ID is not correct then the display will appear the following message

如果机器与墙面控制未连接成功,会出现下面指示

Gain [dB]
Device not connected

and after 2 sec. The Eth led will be turned off and the system will go back to the menu

Input 2
Gain

If communication is successful, then the display will show the current status of Gain
 连接成功后,可对 GAIN 进行调节

Gain [dB]
Step=0.1dB G=-
127.0

Gain [dB]
Step=0.1dB G=0.0

Gain [dB]
Step=0.1dB
G=+12.0

through Encoder it is possible to change the value gain (gain varies between-127.0 dB to + 12dB)



and in real-time the parameter will be updated on DMM880

using EncButton it is possible to choose if the gain variation must take place in steps of 0.1 dB or 1dB

编码器按下时,可对 Step=0.1db 或 1DB 做切换;旋转编码器,可以对 G=-127 到 12DB 进行调节

Press the Esc key to return to the start screen

Input 2
Gain

2. SELECT OUTPUT

输出功能模式与输入功能调节模式差不多

WP8008 CTRL PANEL
Select Output

After pressing the SET button, via Encoder you can select between Output = 1,...,8.

Select Output Output 1 Select Output Output 2 Select Output Output 8

After selecting an output (eg. Output2) and press the SET button you and can select using the encoder or Mute Volume parameter

Output 2 Mute Output 2 Volume

If you select Mute and press SET, on the display you will see the following screen

Mute
Mute =

the Eth led will be turned on because the system sends a message to DMM8008 asking for the current state of mute on the selected output.

If the WP is not connected to the DMM8008 or the ID is not correct then on the display will appear the following message

Mute
Device not connected

and after 2 sec. The Eth led will be turned off and the system will go back to the menu

Output 2
Mute

If communication is successful, then the display will show the current status of the Mute

Mute Mute = Off Mute Mute = On

through Encoder is possible to change the status of the Mute from ON to OFF or vice versa in real-time and the parameter will be updated on DMM880

Press the Esc key to return to the start screen

Output 2
Mute

If you selected Volume and down SET, on the display you will see the following screen

```

Volume [dB]
Step=0.1dB   V=
  
```

the Eth led will be turned on because the system sends a message to DMM8008 asking for the current status of the selected output volume.

If the WP is not connected to the DMM8008 or the ID is not correct then on the display will appear the following message

```

Volume [dB]
Device not connected
  
```

and after 2 sec. The Eth led will be turned off and the system will replace the menu

```

Output 2
Volume
  
```

If communication is successful, then on the display will display the current Volume State

```

Volume [dB]      Volume [dB]      Volume [dB]
Step=0.1dB   V=-      Step=0.1dB   V=0.0      Step=0.1dB
127.0      ...      Step=0.1dB   V=+18.0
  
```

through Encoder is possible to change the volume value (range between -127.0 dB to + 18dB) and in real-time the parameter will be updated on DMM880

using EncButton it is possible to choose if the variation of the volume must be done in steps of 0.1 dB or 1dB

Press the Esc key to return to the start screen

```

Output 2
Volume
  
```

3. LOAD PROGRAM

预设调用模式 :通过编码器和 SET 键可以对机器的 6 个预设进行调用

WP8008 CTRL PANEL
Load Program

After pressing the SET button, the led will lit Eth as the system sends a message to DMM8008 to ask which preset is loaded and read the names of each program.

If the preset currently uploaded on DMM8008 is an extra presets (preset from 7 to 10, activated via inputs S1,...,S4 available on the back panel) on the display will then show the message

Load Program
not possible

and after 2 sec. The Eth led turns off and returns to the previous screen

WP8008 CTRL PANEL
Load Program

This is because the extra presets are associated with special events and these have priority on preset 1,..6, recallable from front-panel using the buttons 1,..,6.

If the WP is not connected to the DMM8008 or the ID is not correct then the display will appear the following message

Load Program
Device not connected

and after 2 sec. The Eth led will be turned off and the system will go back to the menu

WP8008 CTRL PANEL
Load Program

If communication is successful, then the display will show the program that currently uploaded on DMM8008 (es. Program2)

Load Program
P02: name preset

through encoder you can scroll the list of the 6 program

Load Program
P01: name preset

.. Load Program
P02: name preset

..... Load Program
P06: name preset

If the selected program is not currently loaded program on DMM8008 then the number of the preset will be flashing

Press the ESC key to exit the submenu

Press the SET button to load the selected preset and exit from submenu

During the upload phase, the led will be lit and Eth on the display will show the following message



Load Program
Loading Program.....

When loading the Eth led will be turned off and the systema you go back to the main menu

WP8008 CTRL PANEL
Load Program

4. INFO

可以查看机器型号, ID 号, 版本号;

WP8008 CTRL PANEL
Info

After pressing the SET button

Model: WP8008 ID: 01
Version: 1.0.0

Press the SET button or the ESC key to return to the menu

WP8008 CTRL PANEL
Info

5. LOCK

加锁模式

WP8008 CTRL PANEL
Lock

After pressing the SET button, the system asks for confirmation

按 SET 确认后出现如下提示

Lock WP8008
Are you sure?

If you pressed Esc returns you to the menu

按 ESC 返回如下菜单

WP8008 CTRL PANEL
Lock

If down SET the systema goes into Lock mode

按下 SET 对机器进行加锁

WP8008 CTRL PANEL
System Locked

in this case the only thing possible is to unlock the system and this is done by simultaneously pressing the keys ESC and SET for about 5-6 sec. After that the systema you reposition on

如果要解锁, 需要同时按下 ESC+SET 键 5-6 秒后, 机器解锁, 并返回到如下界面;

WP8008 CTRL PANEL
Select Input

ZONE MODE Mode

矩阵模式

(the symbol "_" can be a number between 1 and 8)

主要有下面 4 种模式

WP8008 CTRL ZONE_
Select Routing

WP8008 CTRL ZONE_
Zone Control

WP8008 CTRL ZONE_
Info

WP8008 CTRL ZONE_
Lock

- **Select Routing:** Using this menu, it is possible to select the input to be associated with the selected zone, here it is possible to vary the mute (if the selected input is enabled on the zone) and gain (% selected on input area)
- 选择矩阵
- **Select Zone:** Using this menu, you can configure the Volume and Mute of the Zone
- 选择 ZONE 输出通道
- **Info:** Via this menu is possible to display the model, version and ID set
- 查看模式
- **Lock:** Through this menu it is possible to put WP in Lock
- 锁功能

1. SELECT ROUTING

矩阵选择

WP8008 CTRL ZONE_
Select Routing

After pressing the SET button,

the Eth led will be turned on because the system sends a message to DMM8008 asking for the current status of the Routing of the Zone

If the WP is not connected to the DMM8008 or the ID is not correct then the display will appear the following message

机器与 WP 未连接成功时出现如下界面

Select Routing
Device not connected

and after 2 sec. The Eth led will be turned off and the system will go back to the menu

2 秒钟后返回下面的界面

WP8008 CTRL ZONE_
Select Routing

If communication is successful, then the display will show the section as possible.
through Encoder you can select between Input =1,....,8.

连接成功后,可以通过编码器与 SET 键对 WP 做如下调节

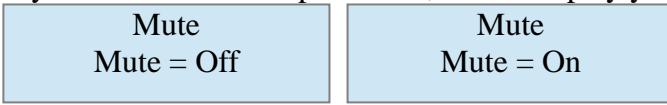
Select Routing
Input 1 Select Routing
Input 2 Select Routing
Input 8

After selecting an entry (eg. Input2) and pressing the SET button,
It is possible to select by using the encoder, the Mute (enable/disable input areas) or Gain (% input on Zone) parameters

下面与调节 INPUT 2 为例,通过编码器和 SET 键可以选择 MUTE 打开或关闭,音量调节

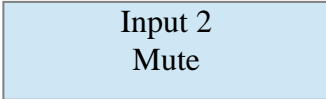
Input 2
Mute Input 2
Gain

If you select Mute and press SET, on the display you will see the following screen

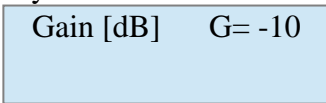


through Encoder to change the status of the Mute from ON to OFF or vice versa in real-time and the parameter will be updated on DMM880

Press the Esc key to return to the start screen

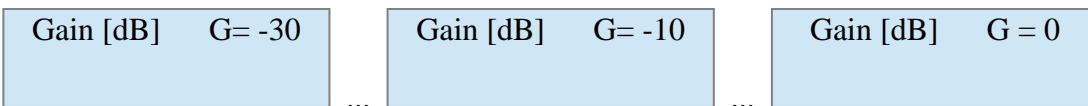


If you select Gain and down SET, on the display you will see the following screen

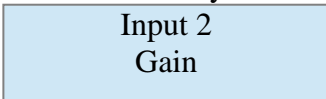


through Encoder it is possible to change the value gain (gain varies between -30dB to 0dB) and in real-time the parameter will be updated on DMM880

音量调节可以由 G=-30 到 0DB



Press the Esc key to return to the start screen



2. SELECT ZONE

选择要输出的通道矩阵

WP8008 CTRL ZONE_
Zone Control

After pressing the SET button, via Encoder you can select between Mute or Volume
用 SET 按键和通过编码器可以在 MUTE 或者 VOLUME 选择

Zone 2
Mute

Zone 2
Volume

If you select Mute and press SET, on the display you will see the following screen

Mute
Mute =

the Eth led will be turned on because the system sends a message to DMM8008 asking for the current state of mute on the Zone of interest.

If the WP is not connected to the DMM8008 or the ID is not correct on then the display will appear the following message

未通信成功时出现如下菜单

Mute
Device not connected

and after 2 sec. The Eth led will be turned off and the system will go back to the menu

2 秒钟后,ETH 灯会灭,菜单会返回到如下界面

Zone 2
Mute

If communication is successful, then the display will show the current status of the Mute

机器连接成功后,可以做如下调节

Mute
Mute = Off

Mute
Mute = On

through Encoder to change the status of the Mute from ON to OFF or vice versa in real-time and the parameter will be updated on DMM880

Press the Esc key to return to the start screen

通过编码器可以对 MUTE 做 ON 和 OFF 功能选择,且更改的数据将更新到 DMM8008 的机器上



Zone 2
Mute

If you selected Volume and down SET, on the display you will see the following screen

Volume [dB]
Step=0.1dB V=

the Eth led will be turned on because the system sends a message to DMM8008 asking for the current status of the volume for the selected zone.

If the WP is not connected to the DMM8008 or the ID is not correct then on the display will appear the following message

机器与 WP 未连接成功时,会出现如下的界面

Volume [dB]
Device not connected

and after 2 sec. The Eth led will be turned off and the system will go back to the menu
过 2 秒后,会返回到如下界面

Zone 2
Volume

If communication is successful, then the display will display the current Volume Status
如果机器与 WP 通信成功,可以对 WOLUME 做调节

Volume [dB] Volume [dB] Volume [dB]
Step=0.1dB Step=0.1dB Step=0.1dB
V=-127.0 V=0.0 V=+18.0

through Encoder is possible to change the volume value (range between -127.0 dB to + 18dB) and in real-time the parameter will be updated on DMM880

通过编码器可将音量由 V=-127 到 V=+18 进行调节

using EncButton it is possible to choose if the variation of the volume must be done in steps of 0.1 dB or 1dB

轻按编码器 STEP(步进值)可以在 0.1DB 到 1DB 之音切换

Press the Esc key to return to the start screen

Zone 2
Volume

3. INFO 功能同上面是一样的;

WP8008 CTRL PANEL
Info

After pressing the SET button

Model:WP8008 ID:01
Version: 1.0.0

Press the SET button or the ESC key to return to the menu

WP8008 CTRL PANEL
Info

4. LOCK 功能同上面 LOCK 的功能是一样的;

WP8008 CTRL PANEL
Lock

After pressing the SET button, the system asks for confirmation

Lock WP8008
Are you sure?

If pressed Esc returns you to the menu

WP8008 CTRL PANEL
Lock

If down SET the systema goes into Lock mode

WP8008 CTRL PANEL
System Locked

in this case the only thing possible is to unlock the system and this is done by simultaneously pressing the keys ESC and SET for about 5-6 sec. After that the system go back to

WP8008 CTRL ZONE_
Select Routing