

1. How to set DIP

The modules with antenna part is main module, with no antenna module is expander module.

Main module DIP definition

Left side DIP1-8 is to set ID, you can set at most 255 ID via those 8 DIP.

DIP1 ON	=2 ⁰	=1
DIP2 ON	=2 ¹	=2
DIP3 ON	=2 ²	=4
DIP4 ON	=2 ³	=8
DIP5 ON	=2 ⁴	=16
DIP6 ON	=2 ⁵	=32
DIP7 ON	=2 ⁶	=64
DIP8 ON	=2 ⁷	=128

Right side DIP1-4 is to set channel, currently you can set at most 15 channels via those 4 DIP.

DIP1 ON	=2 ⁰	=1
DIP2 ON	=2 ¹	=2
DIP3 ON	=2 ²	=4
DIP4 ON	=2 ³	=8

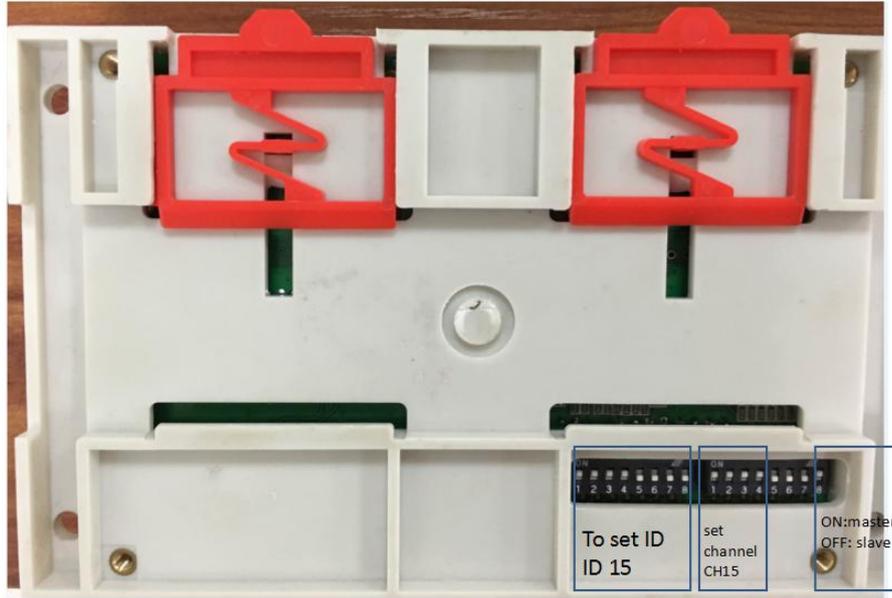
Right side DIP5-8 how to define

DIP	Status	Function	Remarks
5	OFF	Conventional modules	
	ON	Customized modules	No feedback
6、7	OFF、OFF	1 to 1 control	Slave module's ID set to 1
6、7	OFF、ON	1 to 2 slaves control	2 slave modules' ID set to 1 and 2 respectively
6、7	ON、OFF	1 to 4 slaves control	4 slave modules' ID set to 1, 2, 3 and 4 respectively
6、7	ON、ON	1 to 8 slave control	8 slave modules' ID set to 1, 2, 3, 4, 5, 6, 7 and 8 respectively
8	OFF	Slave mode	
	ON	Master mode	

Generally for point to point application, you only need to set ID(left 1-8), channel (right 1-4) and master/slave(right 8). 2 modules communicating with each other should set with the same ID, channel should use the same, too.

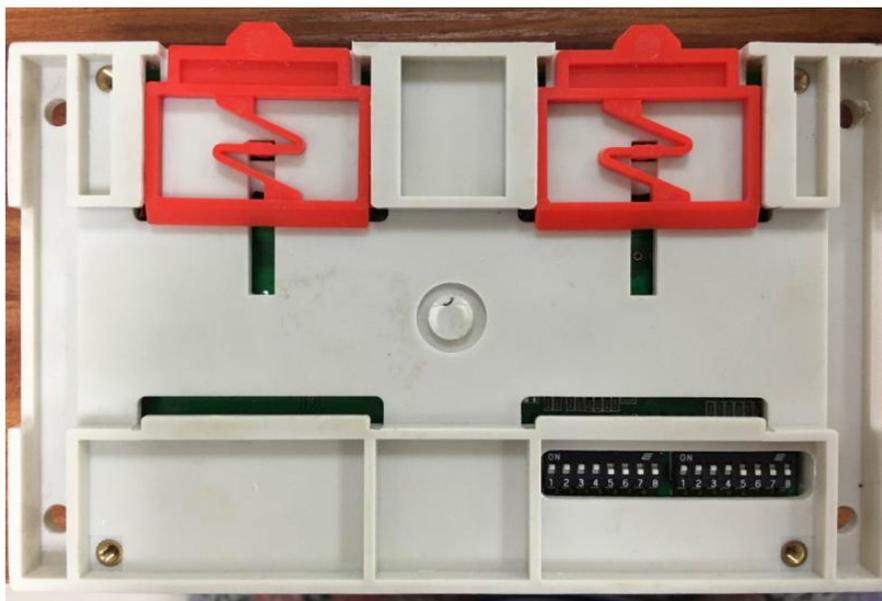
Each time, DIP setting is only valid after you re-power supply. So if you change DIP, please power off, then supply again.

Master--main module



This DIP setting means ID 15, channel 15, master

Slave--Main module



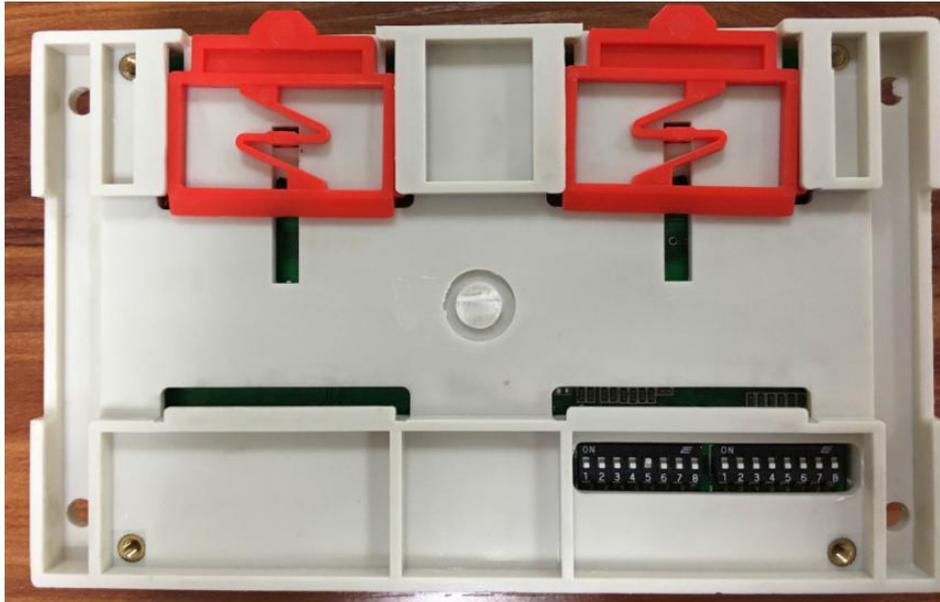
This DIP means ID 15, CH15, slave module

Expander module only needs to set ID, other DIP all set OFF

Expander's ID=main modules's ID+1.

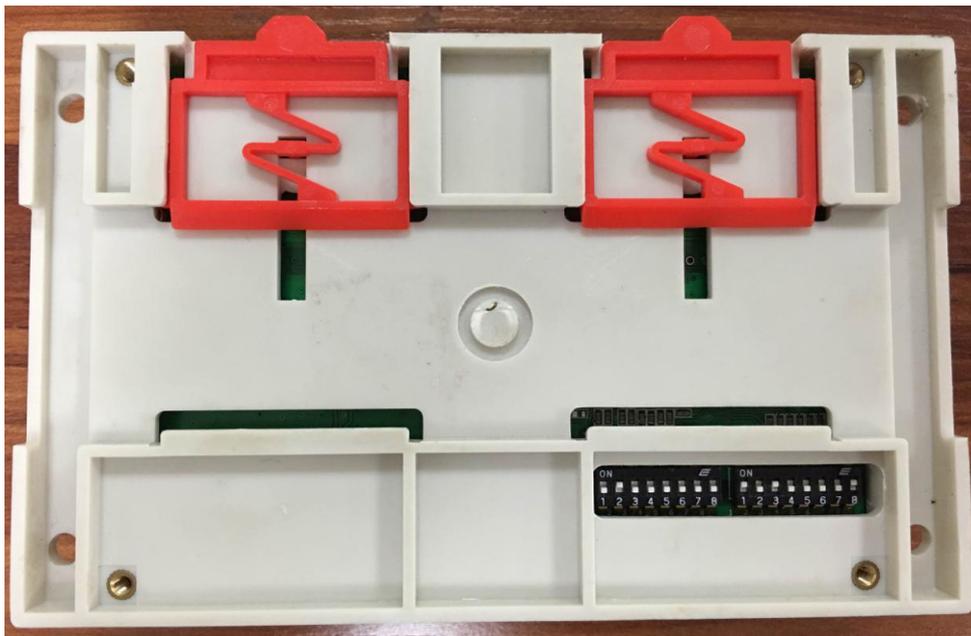
If there are 2 expander, 1st expander ID+1, 2nd expander ID +2

Expander



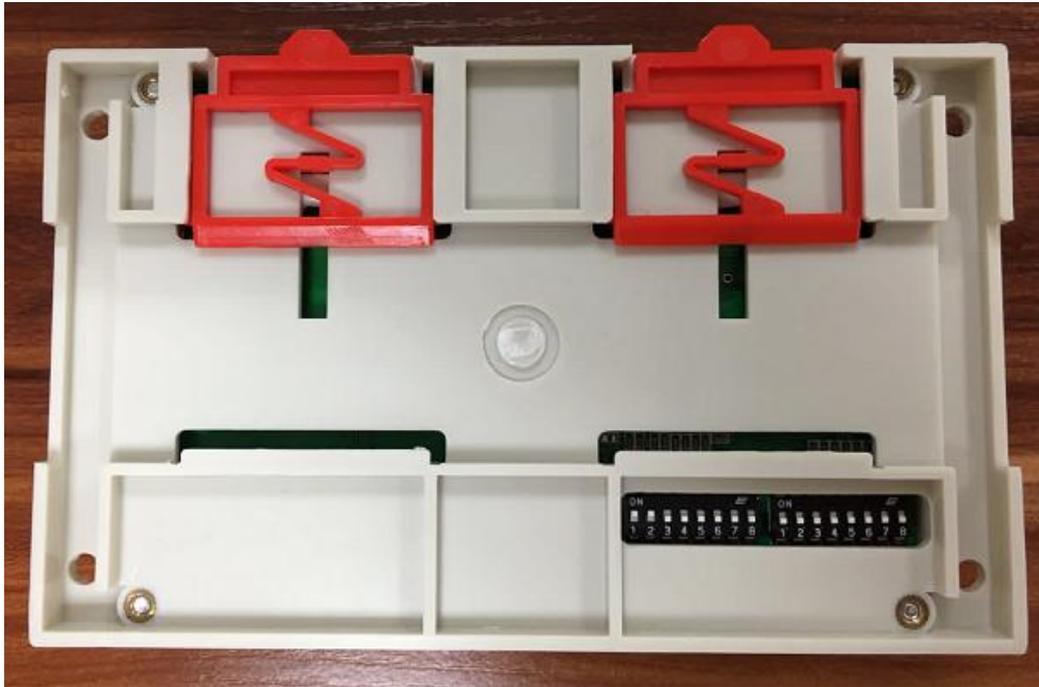
Left DIP 5 ON, others all OFF, means ID 16=Main module's ID No. 15+1

For example, if you set main module with ID2, Channel 5, master, the DIP is like this.



It's expander just need to set ID 3, left side DIP 1 ON, 2 ON, others all OFF.

DIP setting like this:



2. How to connect main module and expander.

Connect main module's A1 with expander modules A1, main modules B1 with slave module's B1. Both 2 module should power supply by 12V DC or 24V DC.

