

Communication Protocol and Command Code

The command system communication protocol:

Baud: 9600 Data bit: 8 Stop bit: 1 Check bit: None

Command type	Control command	Function description
System command	/*Type;	Check the matrix type
	/+xxxxxxx;	Change the keyboard unlock password, set up 8 numbers as the new password.
	/%Lock;	Lock the keyboard
	/%Unlock;	Unlock the keyboard
	/:BellOff;	Turn off the buzzer
	/:BellOn;	Turn of the buzzer
	/^Version;	Check the version of the software
	/~EXTRON;	Set up as the compatibility command system,only supports “! \$ % &” this four ending command.
	/:MessageOff;	Close the return back of the serial port, only send back“SWITCH OK! ”and so on information
	/:MessageOn;	Open the return back information of the serial port, all the operation detailed information will be sent back.
/%Backlightxxx;	Set up the background light of the LCD display, the range can be 001-240 minutes (the default is 30 minutes)	
Operation Command	[x1]All.	[x1] input switch to all the outputs
	All#.	Sett all the inputs to all the outputs, eg.1->1, 2->2, 3->3...
	All\$.	Close all the outputs channels
	[x1]#.	[x1] input switch to [x1] outputs
	[x1]\$.	Close [x1] outputs
	[x1] V[x2].	Switch the video of [x1] input to [x2] output
	[x1] V[x2],[x3],[x4].	Switch the video of [x1] input to [x2]、 [x3]、 [x4] outputs
	[x1] A[x2].	Switch the Audio of [x1] input to [x2] output
	[x1] A[x2],[x3],[x4].	Switch the Audio of [x1] input to [x2]、 [x3]、 [x4] outputs
	[x1] B[x2].	Close the AV of [x1] input to [x2] output
	[x1] B[x2],[x3],[x4].	Switch the AV of [x1] input to[x2]、 [x3]、 [x4]output
	[x1]P[x2].	Switch [x1] inputs to [x2] group output
	[x1]PP[x2],[x3],[x4].	Set up channel [x2],[x3],[x4] outputs into the [x1] group.
	S[x].	Check out all the output channels in group[x]
	Status[x1].	Check the status of [x1] outputs
	Status.	Check all the outputs status
	Save[Y].	Save the current status to[Y], [Y] can any numbers from 0 - 9.
	Recall[Y].	Recall the saved status of the [Y]
Clear[Y].	Clear all the data of the saved [Y] and the output will be closed	

Compatibility command	[X1]*[X2]!	Switch the AV of [x1] input to[x2] output
	[X1]*[X2]\$	Switch the AV of [x1] input to[x2] output
	[X1]*[X2]%	Switch the AV of [x1] input to[x2] output
	[X1]*[X2]&	Switch the AV of [x1] input to[x2] output

- Notice:** 1. [x1]、[x2]、[x3]、[x4] are the number of the inputs and outputs numbers, the effective range are 1~8/16/24/32/64/96/128/256(depends on the matrix)
2. All those“[”and“]” are not the sending characters
 3. All the commands can not forget the character, such as“.”“,”