

# RS-232 Protocol function list for EP737

## Interface

3 wires RS-232C Protocol
Baud Rate : <b>19200</b>
Data Bits: 8
Parity: None
Stop Bits: 1
Flow Control : None

## Command Sequence

Write	Basic Protocol
Header :	'*'
Address Code :	'0' fixed
Command Code :	ASCII Text
Data :	Fixed 3 digits
Terminator Code :	Carriage Return
Delimiter : Space	Carriage Return

## Command Sequence

Read	Basic Protocol
Header	'*'
Address Code	'0' fixed
Command Code	ASCII Text
Data	'?' fixed
Terminator Code	Carriage Return
Delimiter	Carriage Return

## Acknowledgement

	Basic Protocol
Receive OK	~*000<CR>~
Unknown Command	~*255<CR>~
Invalid Command	~*001<CR>~
In current source	
Data value out of range	~*002<CR>~
Data response	As Write Command Format

## Function List

	Basic(Original)	Basic (Update)
<del>Power On</del>	IR-001	<b>Didn't support</b>
Power Off	IR 002	
<del>Source-PC</del>	IR-003	<b>Didn't support</b>
KeyStone	IR 004	
Zoom	IR 005	
Mute	IR 006	
Freeze	IR 007	
Menu	IR 008	
Up	IR 009	

Right	IR 010	IR 010
Left	IR 011	IR 011
Enter	IR 012	IR 012
Re-Sync	IR 013	IR 013
Source Analog RGB	IR 014	IR 014
Source Digital RGB	IR 015	IR 015
Source HDTV	IR 016	IR 016
Source S-Video	IR 017	IR 017
Source Composite Video	IR 018	IR 018
Source Component Video	IR 019	IR 019
Aspect ratio 16: 9	IR 020	IR 020
Aspect ratio 4: 3	IR 021	IR 021
Volume +	IR 022	IR 022
Volume -	IR 023	IR 023
Brightness	IR 024	IR 024
Contrast	IR 025	IR 025
Color Temperature	IR 026	IR 026
	IR 027	IR 027

### Read(Query) Command

	Basic	Return Status	Mean
Lamp Status	Lamp ?	Lamp 0 Lamp 1	Lamp Off Lamp On
Source	Src ?	Src 0 Src 1 Src 2 Src 3 Src 4 Src 5 Src 6	No signal connect Analog RGB display Digital RGB display HDTV display S-Video display Composite Video Display Component Video display

PS: 1.Original command is (` `\*\_0\_IR\_002\r\n` `,12)

2.RS-232 didn't support "**Power On**" & "**Source PC**

**OTHER COMMANDS ARE THE SAME.**

**4. \_ means space bar.**

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