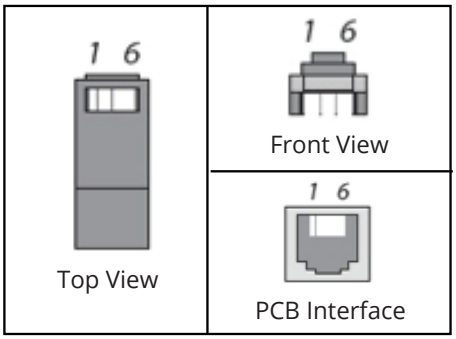
RJ12 Command Codes

Command Codes for RJ12 Connector - NEC Protocol – Address 00FF

Function	Hex Code			
POWER ON	2	C	D	3
POWER OFF	2	E	D	1
POWER TOGGLE	1	C	E	3
SOUND	4	A	B	5
NICAM	1	4	E	B
MUTE	0	8	F	7
1	5	4	A	B
2	1	6	E	9
3	1	5	E	A
4	5	0	A	F
5	1	2	E	D
6	1	1	E	E
7	4	C	B	3
8	0	E	F	1
9	0	D	F	2
0	0	C	F	3
INPUT	1	7	E	8
PIC	4	E	B	1
MENU	1	8	E	7
UP	1	A	E	5
RIGHT	0	7	F	9
LEFT	4	7	B	8
DOWN	4	4	B	7
ENTER	0	6	F	9
EXIT	0	A	F	5
RETURN	4	9	B	6
INFO	5	C	A	3
VOL+	4	B	B	4
VOL-	4	F	B	0
CH+	0	9	F	6
CH-	0	5	F	A
FAV	5	8	A	7
TEXT	0	3	F	C
EPG	4	0	B	F
REVEAL	5	E	A	1
LIST	5	2	A	D
HOLD	5	A	A	5
INDEX	5	6	A	9
SUBPAGE	5	F	A	0
SIZE	5	B	A	4
AUDIO	5	3	A	C
SUBTITLE	5	7	A	8
RED	5	D	A	2
GREEN	5	9	A	6
YELLOW	5	1	A	E
BLUE	5	5	A	A
DTV	2	1	D	E
ATV	2	6	D	9
COMPONENT	2	F	D	0
PC-RGB	6	E	9	E
HDMI	6	4	9	B
INTERNET	6	E	9	1
SCART	6	F	9	0
S-VIDEO	4	5	B	A
AV	4	2	B	D

This RJ12 input connector allows the Television to be integrated with Interactive Hotel TV Systems.

Standard Configuration



Pin	Function
1	Not Connected
2	Command code from the external equipment to TV (0V/5V nominal)
3	Not Connected
4	TV On signal from TV to the external equipment (On = 5V, Standby = 0V nominal)
5	0V – DC Ground
6	Demodulated IR Signal from the TV IR sensor to the external equipment (0V/5V nominal)

The voltage levels that are accepted as an input on pin #2 (command code from external equipment) are - High + 5V DC / Low 0V DC.

Please note that when the input on pin #2 is inactive / idle, it must be held HIGH. If held LOW then all subsequent codes will fail and the TV shall be unresponsive.

Command Code Sequence

The code sequence sent to the RJ12 connector is a DEMODULATED NEC protocol format. The address format is as below:

OOFF <Hex Code>

An example of the “Power ON” command code delivered to the TV via the RJ12 connector is: 00FF2CD3