

SB-DN-RS232IP-PRO

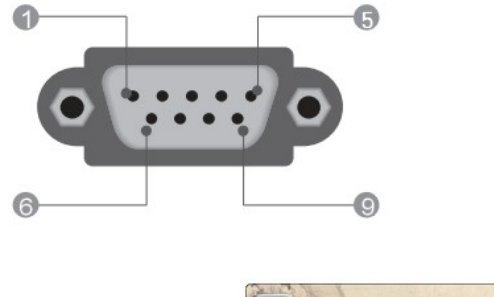
User Manual

Connection

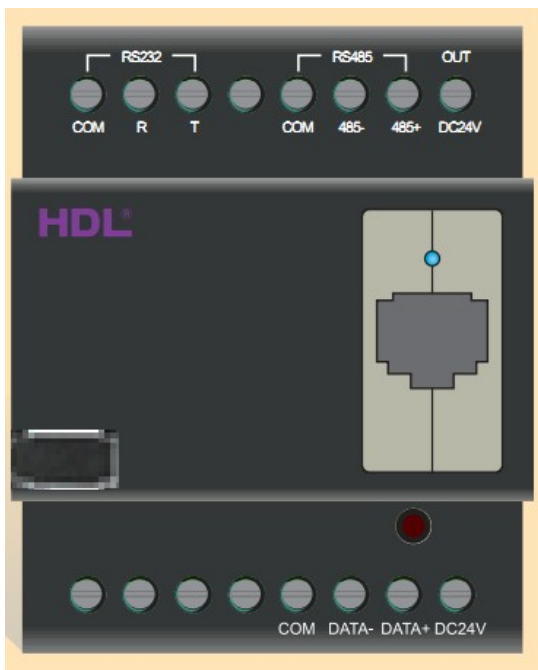
Type of connector

Usable also for HDL-MRS232.431
Manual describes the snapshots taken in the previous version of the module and using older HBST program. In HBST2, the graphic appearance is slightly different but the functions remain the same.

No.	Pin Name
1	No connection
2	RXD (Receive data)
3	TXD (Transmit data)
4	DTR (DTE side ready)
5	GND
6	DSR (DCE side ready)
7	RTS (Ready to send)
8	CTS (Clear to send)
9	No Connection



Connect RXD, TXD, GND to SB-DN-RS232-PRO.



Configuration

Basic information page

The image shows two screenshots from a network configuration interface. The top screenshot is the 'Basic information' page for RS232<->HDL-BUS data transfer. It contains several sections: 'Select device' with a dropdown menu showing '1-9-SB-DN-RS232IP-PRO'; 'Configuration' with fields for 'Model' (SB-DN-RS232IP-PRO), 'Subnet ID' (1), and 'Device ID' (9); 'Remark' with a text input field containing '1' and a 'Save' button; 'RS232 serial port configuration' with two buttons: '485Config serial port...' and 'Config serial port...' (the latter is highlighted with a red box); 'RS232<->HDL BUS mode' with a dropdown menu showing 'ASCII control and feedback' (highlighted with a red box) and a 'Save' button; 'MAC address' with a text input field containing '06.05.00.08.12.00.32.07'; and 'Modify subnet ID and device ID according to MAC' with empty 'Subnet ID' and 'Device ID' fields and a 'Save' button. On the right side, there are sections for 'Model picture', 'Network parameter' (with fields for IP: 192.168.10.250, Route IP: 192.168.10.1, and IP MAC: M, I, R, 85), and 'Upload picture' with 'Upload...' and 'Delete' buttons.

The bottom screenshot is a dialog box titled 'Config serial port'. It has a blue header with the 'Bus' logo. It contains two rows of configuration options: 'Baud rate' with a dropdown menu set to '9600', and 'Stop bit and parity bit' with a dropdown menu set to 'Stop bit:1 Parity bit:None'. At the bottom, there are two buttons: 'Save' and 'Exit'.

Normally use the mode ASCII control and feed back, Baud rate 9600.

Configuration page

(1) RS232 control S-BUS

Basic information | RS232->BUS | BUS->RS232 | 485->BUS | BUS->485

Select device
Device: 1-9-SB-DN-RS232IP-PRO

Current command number: 1 Control mode: ASCII

Command information
Command no. from(1-99): 1 To 5

Command	Remark	The first ch	Input form	Character string
1		Valid	ASCII	on
2		Valid	ASCII	off
3		Valid	Hex	11,
4		Valid	Hex	2E,
5		Invalid	ASCII	

Target information of current command
Target no. from(1-20): 1 To 1

Object no.	Subnet ID	Device ID	Type	Parameter 1	Parameter 2	Parameter 3
1	1	7	Single channel lighting c	1(Channel no.)	100(Intensity)	0.0(Running time)

First, know the RS232 control command: control type and character string. Then enter in the command information option. Then set the control target in S-BUS system, maximum 20 targets.

(2)S-BUS control RS232 device.

Basic information | RS232->BUS | BUS->RS232 | 485->BUS | BUS->485

Current command number: 1 Current target number: 1

Command information
Command no. from(1-99): 1 To 5

Command	Remark	Type	Parameter1	Parameter2
1		Universal switch	1(Switch no.)	On(Switch Statu
2		Universal switch	2(Switch no.)	On(Switch Statu
3		Invalid switch	255	255
4		Invalid switch	255	255
5		Invalid switch	255	255

Target information of current command
Target no. from(1-20): 1 To 1

Command	Time	Input form	Character string
1	100ms	ASCII	ON

Use universal switch type to match the RS232 device command.

When trigger the universal switch, then will control the RS232 device.