

JIG-100

HCS-100 JIG for Changing Settings

User's Manual

Version 1.0

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1. Introduction

JIG-100 is for changing settings of HCS-100 using the PC. HCS-100 doesn't have a RS-232 level shifter. Therefore you cannot connect the HCS-100 to the PC directly. You can change the configuration of HCS-100 with JIG-100 at the PC.

1.1. Package

The package of JIG-100 is included a JIG-100 hardware and USB-to-power cable. And you can download this manual from <http://www.handywave.com/index3.htm>.

1.2. Hardware Description

The following figure is the top view of JIG-100.

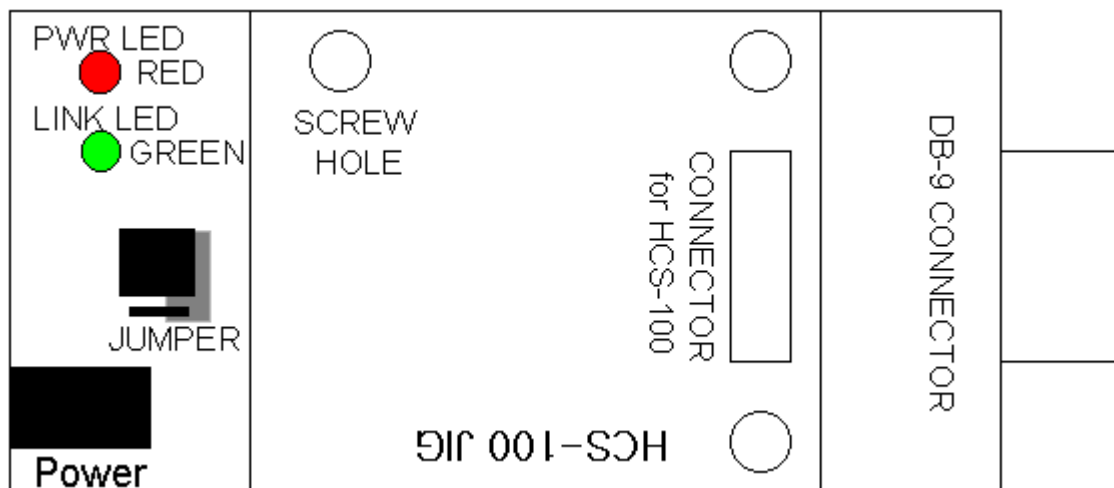


Figure 1 The top view of JIG-100

1.2.1. Power Supply

You can supply power for JIG-100 with supplied USB-to-power cable.



Figure 2 The power pin of JIG-100

1.2.2. Jumper

The jumper shouldn't be removed JIG-100 to operate properly.

1.2.3. Pin Description

You can connect the JIG-100 to PC via DB-9 connector.

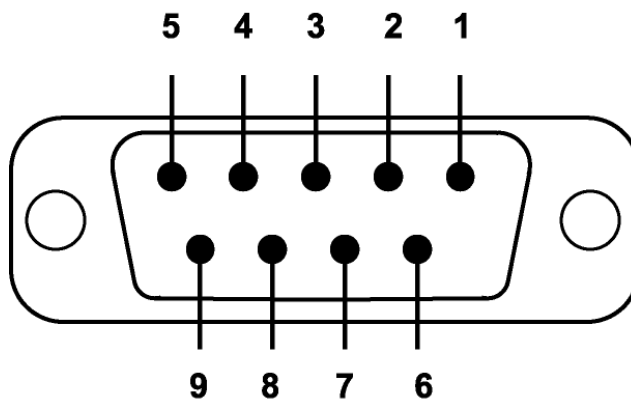


Figure 3 The Pin Layout of JIG-100

The following is the signal definition of JIG-100.

Table 1 The signal definition of JIG-100

Pin Number	Signal	Direction	Description
1	NC	N/A	Not connected.
2	TxD	Output	Transmitted Data
3	RxD	Input	Received Data
4	NC	N/A	Not connected.
5	GND	N/A	Signal Ground
6	NC	N/A	Not connected.
7	CTS	Input	Clear to Send: Option
8	RTS	Output	Request to Send: Option
9	Vcc	Input	Supply Power

1.2.4. The Pin Description of HCS-100

The following is the pin description of HCS-100.

Table 2 The pin description of HCS-100

PIN No	Name	Direction	Description
1,18	Vcc	Input	Power Supply
2	SPI_MOSI	Input	SPI Data Input
3	SPI_CSB	Input	SPI Select
4	RXD	Input	+3.3V TTL level, RS-232 Received Signal
5	TXD	Output	+3.3V TTL level, RS-232 Transmitted Signal
6	/RTS	Output	+3.3V TTL level, RS-232 Ready To Send Signal
7	/CTS	Input	+3.3V TTL level, RS-232 Clear To Send Signal
8	SPI_CLK	Input	SPI Clock
9	SPI_MISO	Output	SPI Data Output
10,11	GND		Signal Ground
12	Link_status	Output	Status of Bluetooth Link Link On: High, Link Off: Low
13	RESET	Input	+3.3V TTL level, Active high
14	N/A		
15	N/A		
16	DTR	Input	Data Terminal Ready
17	DSR	Output	Data Set Ready

1.2.5. The Status Display

There are two status LEDs on JIG-100.

- The power status LED (RED)
 - ON: Powered ON
- The connection status LED (GREEN)
 - ON: Link On (Connected)
 - OFF: Idle Status (Not Connected)

2. Usages

You can change the settings of HCS-100 with JIG-100.

2.1. Installation and Changing Settings of HCS-100

Step 1: Verify the location of jumper. It should be located two pins nearby the status LEDs.

Step 2: Connect a HCS-100 via 18-pin connector.

Step 3: Connect a JIG-100 to the one of COM port at the PC.

Step 4: Supply power to JIG-100 via USB-to-power cable.

Step 5: Open a HyperTerminal and set it 9600 8-N-1 and flow control to none (You may need to turn on local echo for verifying your input.).

Step 6: Change the settings of HCS-100 with commands.

2.2. Command Set for HCS-100

Please refer to the user's manual of HCS-100 regarding the commands.