HJ-185MH Functional Desription

PIN	NAME	FUNCTION	DESCRIPTION	
4	P0.12	BLE-TX	In the transparent transmission mode, this pin is the TX pin of the serial port, which is connected to the RX pin of the MCU.	
5	P0.05	BLE-RX	In the transparent transmission mode, this pin is the RX pin of serial port, which is connected to the TX pin of the MCU.	
7	VCC_IN	Power	Power input port, supply voltage: DC1.7V ~ 3.6V	1.7-3.6Vdc
9	P0.02	Serial port Receiving	P0.01=0, serial port receiving function enabled. At this time, the module works at full speed. It can send instructions or **transmit data in transparent transmission mode.**The current consumption of the module will be up **300-400μA.** P0.01=1, the serial port receiving function has been disabled. Module working in low power mode. If you broadcast once a second, the current consumption of the module will be less than **15μA**. If the broadcast is stopped, the current consumption of the module will be less than **2μA**. When the setting is active high, ??? *P0.01=1, serial port receiving function enabled;P0.01=0, the serial port receiving function has been disabled.*	**LOW-Enabled** HIGH-Disabled
14	P0.16	App Config Mode	When this pin is input to a high level, module allows APP to send instructions to configure all parameters of the module. When this pin is input to low level, it is forbidden for APP to configure or read the parameters of the module.	LOW-Disabled **HIGH-Enbled**
15	P0.18	Serial Transmit path selection	Transmit Path Selection Pin for Data Received by Serial Port Assuming that the module has been connected to the slave: When this pin is input at high level, the data received by the module from the serial port is sent to the connected slaves. When this pin is input at low level or not connected, the data received by the module from the serial port is sent to the host or mobile APP which connected to module. When the module is not connected to the external slave, no matter what the state of this pin is, the data is sent to the host or mobile APP which connected to the module.	Has Slave: HIGH-send to Slave **LOW-send to Host orApp** No Slaves: HIGH/LOW-sends to host or App

FFF1 - APP Reads from MCU
FFF2 - APP Sends to MCU
FFF3 - RX/TX chip to APP for configs
Reconect BLE app after setting params for reading/writing
SERIAL RECEIVE ENABLE

PIN9 - LOW	**APP sends to MCU**	**MCU RECEIVES**
PIN9 - HIGH	APP sends to MCU	MCU NOT receive
PIN9 - FLOAT	APP sends to MCU	MCU NOT receive

APP CONFIGURATION

PIN14 - HIGH	**APP Config - YES**
PIN14 - LOW	APP Config - NOT allowed
PIN14 - FLOAT	APP Config - NOT allowed

In Slave Mode CONFIG – Serial or APP. APP PIN14 = HIHG. Serial PIN9 = LOW

<RD_NAME> <ST_NAME=xxx>

<RD_ADV_ONOFF>	***<ST_ADV_ONOFF=X>***	***X=1:BroadCast ON, X=0 BroadCast Off***
<RD_ADV_DATA>	<ST_ADV_DATA=xx..xx>	Set/Read Data about Broadcasting-HEX
<RD_ADV_GAP>	<ST_ADV_GAP=xx..xx>	Broadcast gab 20-10`000ms
<RD_CLIENT_LINK>	<ST_CLIENT_LINK=0>	Disconnect from Host. Reads MAC
<RD_CON_MIN_GAP>	<ST_CON_MIN_GAP=xx..xx>	Min connection gab 7.5-4000ms
<RD_CON_MAX_GAP>	<ST_CON_MAX_GAP=yy..yy>	Max connection Gap 7.5-4000ms
<RD_CON_TIMEOUT>	<ST_CON_TIMEOUT=xx..xx>	Timeout of slave connection 500-8000ms
<RD_SECRET>	***<ST_SECRET=xx..xx> <ST_CLEAR_SECRET=1>***	***Pasword. Up to 8 chars***
<RD_SECRET_TIMEOUT>	<ST_SECRET_TIMEOUT=xx..xx>	Pasword timeout 1-255s
<RD_SOFT_VERSION>		
<RD_TX_POWER>	<ST_TX_POWER=+4>	-40/-20/-16/-12/-8/-4/0+3/+4dBm
	<ST_RESET_BLE>	Resest BLE after 500ms
<RD_BAUD>	***<ST_BAUD=xx..xx>***	***1200/2400/4800/9600/19200/38400/57600/115200/230400/460800/921600 bps***
<RD_BLE_MAC>		
	<ST_OWN_MAC=xxxxxxxxxxxx>	Set User-Defined MAC address
	<ST_OWN_MAC=0>	Cancel User-Defined MAC address
<RD_T1>	<ST_T1=x>	1-255ms T1 value – App receiving indicator PIN10
<RD_UART_EVEN>	<ST_UART_EVEN=x>	1-enables even parity. 0-disabled
<RD_AD_WAIT>	<ST_AD_WAIT=x>	Set/Red PIN10 puldown delay 1-255ms
<RD_UART_PULL>	<ST_UART_PULL=x>	BLE RX pullup – 1-Enable, 0-Disable Internal Pull-up - PIN5
	<ST_FACTORY=1>	RESTORE FACTORY SETTINGS
<RD_WAKEUP_HIGH>	***<ST_WAKEUP_HIGH=x>***	***1-Active HIGH 0-Active LOW(default) PIN9***