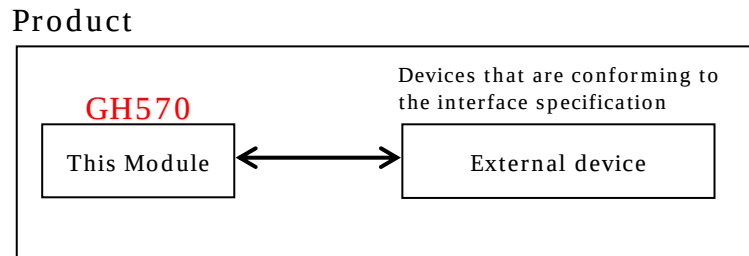


MMP Bluetooth / MMP/ **GH570** User guide

This instruction manual is defining the interface spec for the external devices which will be connected with this module.

1. Configuration image of the module.

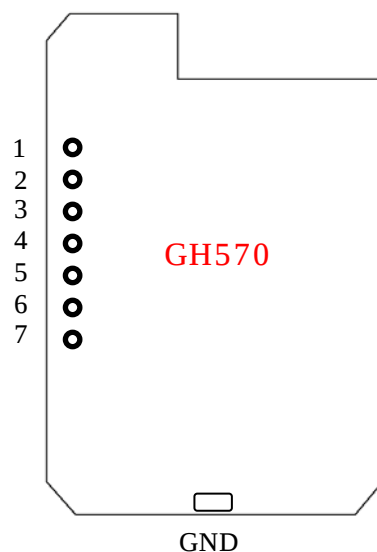


This module configures the complete product by combining with the external device having an interface specification shown below.

2. Required features of External device to be connected.

- ① Get the receiving data from the Module.
 - ② Send the transmission data to the Module.
 - ③ Send the “RESET” command to the Module.
 - ④ Get the status of the Module and show it.
 - ⑤ Provide the power to the Module.
- ※ Any modification is NOT possible from external device against the spec of **GH570** module declared on its spec sheet.

3. Connection ports of **GH570**



4. Functions of each port

No.	Name	I/O	Function	Remarks
1	LED2B	I	Bypass port for External device	Used for showing status
2	LED1B	I	Bypass port for External device	Used for showing status
3	VDDB	I	Power connector to the GH570	3.3V -0.1V +1.0V
4	P20B	I	To switch the drive mode H: Normal / L: HCI UART	
5	RST_NB	I	Reset port from External device	
6	BLTB	I	Transmission data port	
7	BLRB	O	Receiving data port	

5. Command & Status

#	Code	Description	Function	Remarks
1	0x100111	E2PROM_Write	Overwrite the ID to EEPROM	0x00: Succeeded

6. Supplemental information

This module is developed for the dedicated single purpose only.

So the function of this module is limited intentionally for users. Any modification is NOT possible from external device against the spec of GH570 module declared on its spec sheet.

7. End Product Labeling

This transmitter module is authorized only for use in device where the antenna may be installed such that 20cm may be maintained between the antenna and users. The final end product must be labeled in a visible area with the following: "Contains FCC ID: 2AERZ-GH570 ”

8. Information for the OEMs and Integrators

The following statement must be included with all versions of this document supplied to an OEM or integrator, but should not be distributed to the end user.

- 1) This device is intended for OEM integrators only.
- 2) Please see the full Grant of Equipment document for other restrictions.

FEDERAL COMMUNICATIONS COMMISSION INTERFERENCE STATEMENT

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/ TV technician for help.

CAUTION:

Any changes or modifications not expressly approved by the grantee of this device could void the user's authority to operate the equipment.

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

RF exposure warning:

This equipment must be installed and operated in accordance with provided instructions and the antenna(s) used for this transmitter must be installed to provide a separation distance of at least 20 cm from all persons and must not be co-located or operating in conjunction with any other antenna or transmitter. End-users and installers must be provide with antenna installation instructions and transmitter operating conditions for satisfying RF exposure compliance.

經型式認證合格之低功率射頻電機，非經許可，公司、商號或使用者均不得擅自變更頻率、加大功率或變更原設計之特性及功能。

本模組於取得認證後將依規定於模組本體標示審驗合格標籤，並要求最終產品平台廠商 (OEM Integrator) 於最終產品平台 (End Product) 上標示本產品內含射頻模組，

其 NCC 型式認證號碼為： CCXXxxYYyyyZzW