

# MY-BT\_Player 产品说明书

## Specification

产品型号: MY-BT_Player Product Model:	客户型号: Customer Model:
产品版本: V1 Product version:	客户检测: Customer test:
产品图片: Product pictures:	客户承认: Customer approval:

编制/日期	审核/日期	批准/日期
2019/12/19	2019/12/19	2019/12/19

### 1. 范围 Range

1.1 这份说明书只适用于本公司的蓝牙播放模块，若需要使用到其它的产品上，请咨询我司。

1.1 This manual is only applicable to our company's Bluetooth Player module, If you need to use it on other products, Please contact us.

### 2. 种类型号 Types and models

#### 2.1 种类

外接电源蓝牙播放模块 Bluetooth player module with external power supply

#### 2.2 型号

MY-BT\_Player 为我们公司的型号 Company model

### 3. 规格 Specification

### 3.1 接口规格

本产品有三个外部接口，红色的为电源接口，两个白色的为喇叭接口。This product has three external interfaces, the red one is the power interface and the two white ones are the horn interface.

电源接口为XH连接器，接口为2.54MM间距，可以兼容两个管脚或三个管脚（可以根据客户需求选定）。The power interface is an XH connector with a spacing of 2.54MM, which can be compatible with two pins or three pins (which can be selected according to customer requirements).

电源接口		功放接口	
颜色	红色	颜色	白色
极数Poles	2PIN OR 3PIN	极数Poles	2PIN
管脚间距Pin spacing	2.54mm	管脚间距Pin spacing	2.54mm
工作温度Operation temperature	-25°C+85°C	工作温度Operation temperature	-25°C---+85°C

### 3.2 电源参数 Power parameter

项目 item	规格 Specification
电源输入要求: External power supply	电源输入范围广，宽4.5V至35V输入电压范围。 Wide 4.5V to 35V Input Voltage Range
输出带载能力 Output carrying capacity	电路上采用高性能的DC/DC芯片，能够以高的速度驱动2A负载，高效率、低纹波、出色的线路和负载调节。 High performance DC/DC converter are used in the circuit. Capable of driving a 2A load with high efficiency, low ripple and excellent line and load
外接设备 External equipment	单个板子的喇叭扬声器接口最大负载能力可以达到5W。 The maximum load capacity of the speaker interface of a single board can reach 5W.

### 3.3 外观规格

项目 item	规格 Specification
标称重量 nominal weight	≈10.5g
尺寸 (mm) size	42.1mm*37.7mm*15.5mm
工作温度 Operation temperature	-25°C---+65°C

MYZR 公司简写 Company abbreviation

外表标识 Appearance mark	20191209_BT_D 时间版本号 Time
	明远智睿 公司名 Company name
	www. myzr. com. cn 公司网站 Company website
	VCC+, VCC- 电源输入 Power supply
	P1+、P1-、P2+、P2- 喇叭接口 loudspeaker Port
	5V、DM、DP、GND 烧录点 Burning port

#### 4. 蓝牙模式 Bluetooth mode

4.1 该模块为蓝牙语音模块，能不间断完成语音和立体声音频的无线数据传输。

4.1 This module is a Bluetooth voice module, which can continuously complete wireless data transmission of voice and stereo audio.

4.2 该模块只能作为从设备模式进行工作，在该模式下的蓝牙模块，只能被主机搜索，不能主动搜索。

4.2 The module can only work as a slave device mode, and the bluetooth module in this mode can only be searched by the host and cannot be actively searched.

4.3 蓝牙工作频率：2.402-2.480GHz

4.3 Bluetooth Operating Frequency: 2.402-2.480GHz

#### 5. 功能和操作 Functions and operations

5.1 板子上电启动支持语音提示功能，提示音可以自主定制。When the board is connected to the power supply, The board support voice prompt function, voice prompt function can be customized independently。

5.2 使用带蓝牙设备，打开蓝牙并搜索蓝牙，搜索到后手动连接蓝牙。连接成功后，可使用播放器播放音乐，蓝牙名称可定制。Use a device with Bluetooth, turn on Bluetooth and search for Bluetooth, and manually connect Bluetooth after searching. After successful connection, the player can be used to play music, and the Bluetooth name can be customized.

5.3 模块符合蓝牙5.0+BR+EDR+BLE规范，满足PowerClass2的要求，标准传输距离达到10米。This module Compliant with Bluetooth V5.0+BR+EDR+BLE specification, Meet the requirements of PowerClass2, and the standard transmission distance reaches 10 meters.

#### 6. 使用注意事项

6.1 电源供电需保证10W的额定供电能力，要求电源干净，纹波在 100mV左右。

6.1 The rated power supply capacity of 10W shall be guaranteed for power supply, and the power supply shall be clean with a ripple of about 100mV.

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6.2 注意分清楚电源和喇叭接口，防止误插入导致板子损坏。

6.2 Pay attention to distinguish the power supply and loudspeaker interface to prevent board damage caused by mis-insertion.

6.3 不要湿水，受潮。

6.3 Keep away from water, damp-proof.

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6.4 如果板子模块发出异味，发热严重，或者电解电容膨胀或者破裂，请立刻关闭电源，并停止使用该模块。

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6.4 If the board module emits an odor, generates serious heat, or the electrolytic capacitor expands or breaks, please turn off the power immediately and stop using the module

6.5 禁止将电池丢入火中或者加热器中。

6.5 Do not throw the battery into the fire or heater

6.6 禁止在强静电和强磁场的地方使用，否则易造成板子损坏或者干扰板子的正常

6.6 Do not use in the place of strong static electricity and strong magnetic field, otherwise easy to cause damage to the board or interfere with the normal use of the board.

6.7 禁止私自拆开板子屏蔽罩。

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6.7 It is forbidden to disassemble the board shield without permission.

#### FCC Statement

FCC standards: FCC CFR Title 47 Part 15 Subpart C Section 15.247

Integral antenna with antenna gain 0.5dBi

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.

Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

Note: 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.

#### FCC Radiation Exposure Statement

This modular complies with FCC RF radiation exposure limits set forth for an uncontrolled environment. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

If the FCC identification number is not visible when the module is installed inside another device, then the outside of the device into which the module is installed must also display a label referring to the enclosed module. This exterior label can use wording such as the following: "Contains Transmitter Module FCC ID: 2AVWVVMYZRBT001 Or Contains FCC ID: 2AVWVVMYZRBT001"

When the module is installed inside another device, the user manual of the host must contain below warning statements:

1. 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.
- (2) This device must accept any interference received, including interference that may cause undesired operation.

Note: 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.

2. Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

The devices must be installed and used in strict accordance with the manufacturer's instructions as described in the user documentation that comes with the product.

Any company of the host device which install this modular with limit modular approval should perform the test of radiated & conducted emission and spurious emission,etc. according to FCC part 15C : 15.247 and 15.209 & 15.207 ,15B Class B requirement, Only if the test result comply with FCC part 15C : 15.247 and 15.209 & 15.207 ,15B Class B requirement, then the host can be sold legally.