

## Preface


Welcome to the world of Hytera and thank you for purchasing this product. To derive optimum performance from the product, please carefully read this manual before use.


This manual is applicable to the following product:

RCS-01 Motorcycle Wireless Console

## Icon Conventions

The following icons are available through this manual:

 **Caution:** indicates situations that could cause damage to your product or bodily injury.

 **Note:** indicates tips that can help you make better use of your product.

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



If you have any suggestions or would like to receive more information, please visit our website at: <http://www.hytera.com>.

## Instructions

- The use of the product is subject to the laws and regulations of the countries or regions in which it is used.
- To avoid suboptimal performance, do not use the product in a thunderstorm.

## Packing List

Please unpack carefully and check that all items listed below are received. If any item is missing or damaged, please contact your dealer.

		
Motorcycle Wireless Console	M5 Screw for PTT Unit x 2	M3 Screw for Motorcycle Wireless Console x 4
		
Rubber Pad for PTT Unit x 6 (2 mm x 4, 1 mm x 2)	Cable Tie x 8	Owner's Manual



**Note:** Pictures in this manual are for reference only.

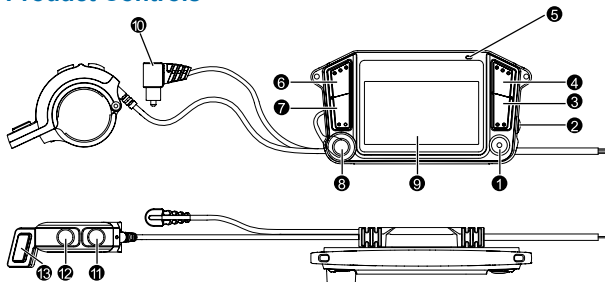
## Product Overview

RCS-01 motorcycle wireless console is an audio accessory that allows the user to achieve convenient communication while riding a motorcycle. It features user-friendly and easy-to-use design, improving the user's personal safety and work efficiency. The product works with MD65X or

MD78X with firmware version of V8.00.06.007 or later, ADA-01 wireless audio adapter with firmware version of V2.XX.XX.XXX or later, ECN27 wired helmet headset, and the like.

## Product Introduction

### Product Controls


























No.	Part Name	No.	Part Name
1	On-Off/Switch Key	8	Headset Jack
2	Side Key (SK)	9	LCD Display
3	P2 Key	10	Loudspeaker Connector
4	P1 Key	11	Up Key
5	LED Indicator	12	Down Key
6	Answer Key	13	Push-to-Talk (PTT) Key
7	End Key	/	/



**Note:** For enhanced convenience, you may request your dealer to program SK, P1 and P2 as the shortcuts to specific functions.

### LCD Icon

Icon	Description
	The mobile radio receives no signal.
	More bars indicate better signal strength.
	The mobile radio is roaming.
	The mobile radio is scanning.
	The mobile radio stays on a non-priority channel.
	The mobile radio stays on priority channel 1.
	The mobile radio stays on priority channel 2.
	The current channel is set at low power.

Icon	Description
	The current channel is set at high power.
	The GPS feature is enabled, and positioning data is received.
	The GPS feature is enabled, but no positioning data is received.
	The Scrambler or Encrypt feature is enabled.
	The radio is in emergency mode.
	<ul style="list-style-type: none"> <li>The mobile radio is stunned or killed.</li> <li>You have made too many incorrect login attempts for the programming software.</li> <li>The rental period expires.</li> <li>A power-on error occurs.</li> </ul>
	Longer black block indicates higher volume.
	A private call is in progress.
	You are receiving a private call.
	You are initiating a private call.
	A group call is in progress.
	You are receiving a group call.
	You are initiating a group call.
	An all call is in progress.
	You are receiving an all call.
	You are initiating an all call.
	An emergency group call is in progress.
	You are receiving an emergency group call.
	You are initiating an emergency group call.
	An emergency call is in progress.
	You are receiving an emergency call.
	You are initiating an emergency call.
	A PABX/PSTN call is in progress.
C	The mobile radio is in DMR conventional mode.
X	The mobile radio is in XPT trunking mode.
D	The mobile radio is in DMR trunking mode.
A	The mobile radio is in MPT trunking mode.



**Note:** For detailed feature description, refer to *Owner's Manual* of the mobile radio used with the product.

## LED Indicator

LED Indication	Description
Glows red	The mobile radio is transmitting.
Glows green	The mobile radio is receiving.
Glows orange	The call has been set up, and you can press and hold the <b>PTT</b> key to speak.
Flashes red and blue in turn	The product is in pairing mode.
Flashes blue twice rapidly and periodically	The wireless connection is established, but no voice is transmitted.
Flashes blue once rapidly and periodically	The wireless connection is established, and voice is being transmitted.
Flashes blue slowly	The wireless connection is not established.



**Note:** LED indications of the product are the same as those of the mobile radio used with the product. For details on other LED indications, refer to *Owner's Manual* of the mobile radio.

## Specifications

Item	Specifications
Input voltage	12 – 24 V DC
Wireless communication coverage	10 m
Dust & Water protection	IP55
Operating temperature	-30°C to +60°C
Storage temperature	-40°C to +85°C

## Basic Operations

### Powering On/Off

The product gives an alert tone upon power-on or power-off.

### Powering On

## Auto Power-on

The product automatically powers on when the motorcycle engine starts.

## Manual Power-on

To manually power on the product, press the **On-Off/Switch** key for two seconds while the motorcycle engine is running.

## Powering Off

### Auto Power-off

The product automatically powers off when the motorcycle engine stops.

### Manual Power-off

To Manually power off the product, do as follows:

**Step 1** Press and hold the **On-Off/Switch** key for two seconds. The LCD displays "Select Power Off".

**Step 2** Press the **On-Off/Switch** key.



**Note:** If you prefer not to power the product off when the LCD displays "Select Power Off", press the **Up** key or **Down** key to select "No", and then press the **On-Off/Switch** key (or wait for 10 seconds without any operation).

## Pairing and Connection

The product can work properly only when it is paired with and wirelessly connected to the wireless audio adapter. After initial pairing and connection, the wireless connection will be automatically established afterwards.

The pairing and connection can be finished automatically or manually.

### Auto Pairing

The product and the wireless audio adapter automatically perform pairing and connection upon power-on in the case of initial use.

When the LED indicator flashes blue rapidly, it indicates that the product has established wireless connection to the wireless audio adapter.

### Manual Pairing

If the wireless audio adapter initially connected to the product has been replaced, you need to manually perform the pairing and connection.

**Step 1** Power off the product.

**Step 2** Hold down the **On-Off/Switch** key, until the LED indicator flashes red and blue in turn. The product enters pairing mode.

**Step 3** Make the new wireless audio adapter enter pairing mode.

For details on how to make the new wireless audio adapter, refer to *ADA-01 Wireless Audio Adapter Owner's Manual*.

The product and the wireless audio adapter automatically establish wireless connection after both of them enter pairing mode. When the LED indicator flashes blue rapidly, it indicates that the wireless connection has been established.

## Adjusting the Volume

- On the home screen, press the **Up** key or **Down** key to increase or decrease the volume.
- On the non-home screen, do as follows:

**Step 1** Press the **On-Off/Switch** key to switch to the volume adjustment option.

**Step 2** Press the **Up** key or **Down** key to increase or decrease the volume.

## Selecting a Channel/Group Contact

To select a channel in DMR conventional mode or XPT trunking mode, do as follows:

**Step 1** On the home screen, press the **On-Off/Switch** key to switch to the channel selecting option.

**Step 2** Press the **Up** key or **Down** key to select the required channel.

To select a group contact in DMR trunking mode or MPT trunking mode, do as follows:

**Step 1** On the home screen, press the **On-Off/Switch** key to switch to the group contact selecting option

**Step 2** Press the **Up** key or **Down** key to select the required group contact.

## Transmitting

Press and hold the **PTT** key on the PTT unit, and speak into the microphone on the wired or wireless helmet headset.



**Note:** If the product is connected to both the wired helmet headset and the wireless helmet headset, the wireless one will be put into use by default. To use the wired helmet headset, power off the wireless one.

## Using the Loudspeaker

Power on the loudspeaker, and then speak into the microphone on the wired helmet headset when the mobile radio is not transmitting or receiving.

## Viewing the Product Information

On the home screen, hold down both the **End** key and the **P2** key. The product information includes the software version of the control module (MCU), wireless module (BT), and wireless audio adapter (AD), as well as the language version (FONT).

```
MCU: V1.01.02.010
BT  : V1.01.02.004
AD  : V2.01.02.005
FONT: V1.02.01.001
```

## Troubleshooting

Phenomena	Analysis	Solution
The product fails to automatically reconnect to the wireless audio adapter in the case of disconnection.	The product is out of the wireless communication coverage of the wireless audio adapter.	Make sure that the product is within the wireless communication coverage of the wireless audio adapter.
You hear noise during calls.		
The LED indicator does not glow red when you press and hold the <b>PTT</b> key.		



Phenomena	Analysis	Solution
The product does not respond to any key press.	The system crashes.	Cut off the power supply and then restart the product.
The product fails to enter the home screen when you press the <b>On-Off/Switch</b> key.	The firmware version of the mobile radio is earlier than V8.00.06.007.	Upgrade the firmware version to V8.00.06.007 or later.
The product fails to automatically power on after the motorcycle engine starts.	The power cord has not been connected correctly.	Connect the red wire to the positive pole and the black wire to the negative pole of the motorcycle battery.

If the above solutions cannot fix your problems, or you may have some other queries, please contact us or your local dealer for more technical support.

## Care and Cleaning

To guarantee optimum performance as well as a long service life of the product, please follow these tips.

### Product Care

- Do not pierce or scrape the product.
- Keep the product away from substances that can corrode the circuitry.
- When the wired helmet earpiece is not in use, keep the magnetic connector far away from the magnet-sensitive substances and cover the earpiece jack on the wireless console with the stopper.

### Product Cleaning



**Caution:** Do power off the product before cleaning.

- Clean up the dust and fine particles on the product's surface with a clean and dry lint-free cloth or a brush regularly.
- Use a non-woven cloth with neutral cleanser to clean the device after long-time use. Do not use chemical preparations such as stain removers, alcohol, sprays or oil preparations, so as to avoid potential damage on the surface.
- Make sure the product is completely dry before use.

**FCC Notice:**

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.

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

**RF Exposure**

The equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This device should be installed and operated with minimum distance 20cm between the radiator & your body.

**IC Notice:**

This device complies with Canada Industry licence-exempt RSS standard(s). Operation is subject to the following two conditions:

- (1) this device may not cause interference; and
- (2) this device must accept any interference. Including interference that may cause undesired operation of the device.

Cet appareil est conforme aux CNR exemptes de licence d'Industrie Canada . Son fonctionnement est soumis aux deux conditions suivantes :

- ( 1 ) Ce dispositif ne peut causer d'interférences ; et
- ( 2 ) Ce dispositif doit accepter toute interférence , y compris les interférences qui peuvent causer un mauvais fonctionnement de l'appareil.

*CAN ICES-3 (B)*

**Avis d'Industrie Canada**

Le présent appareil est conforme aux CNR d'industrie Canada applicables aux appareils radio exempts de licence L'exploitation est autorisée aux deux conditions suivantes:

- 1) l'appareil ne doit pas produire de brouillage; et
- 2) l'utilisateur de l'appareil doit accepter le brouillage radioélectrique subi même si le brouillage est susceptible d'en compromettre le fonctionnement. mauvais fonctionnement de l'appareil.

Cet appareil numérique de la classe B est conforme à la norme NMB-003 du Canada.  
CAN NMB-3 (B)

**Radiation Exposure Statement:**

This equipment complies with IC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator & your body.

**Déclaration d'exposition aux radiations:**

Cet équipement est conforme aux limites d'exposition aux rayonnements IC établies pour un environnement non contrôlé. Cet équipement doit être installé et utilisé avec un minimum de 20cm de distance entre la source de rayonnement et votre corps.