Hollyland Solidcom C1 Pro Hub

User Manual

V1.0.0
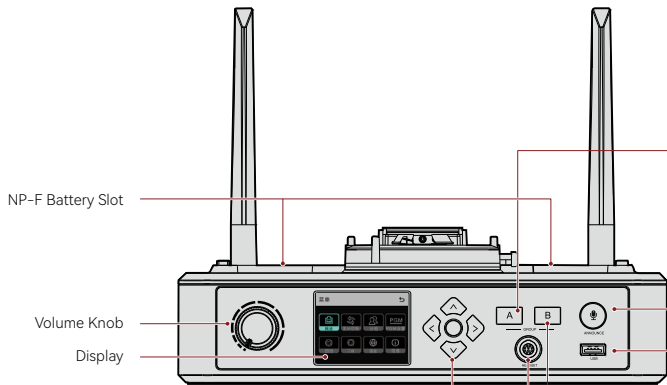
NP-F Battery Slot

Volume Knob

Display

^ UP Arrow Button
˅ DOWN Arrow Button
< LEFT Arrow Button
> RIGHT Arrow Button
O Menu/Confirmation Button
• Press and hold the button to enter the menu interface/Press the button for confirmation.

0B10 Headset Interface

A Button
• OFF: The wired headset user is not in group A. In this case, the user cannot be heard by or hear the other headset users in group A.
• ON in orange: The wired headset user is in group A. In this case, the user can be heard by and hear the other headset users in group A.

ANNOUNCE Button
• Press and hold the button to deliver direct instructions or commands. In this case, the indicator turns ON in orange.
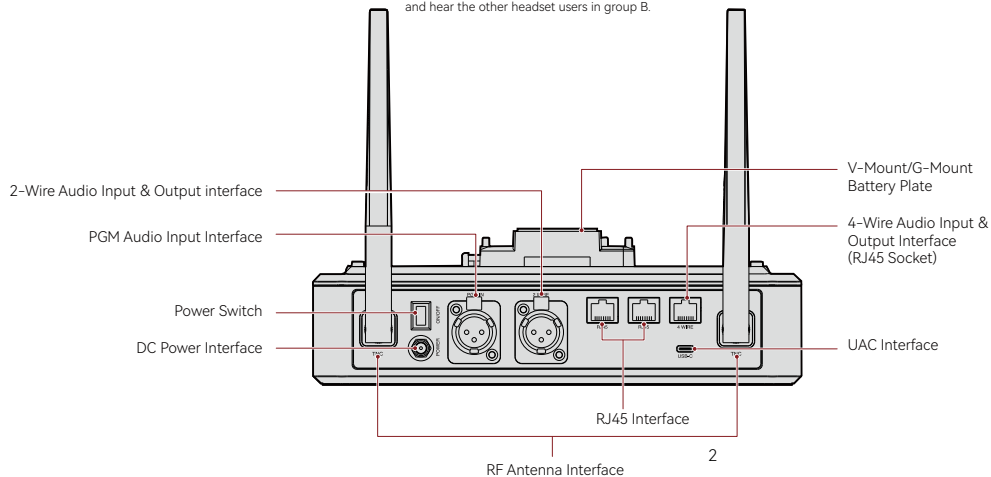
USB Interface

B Button
• OFF: The wired headset user is not in group B. In this case, the user cannot be heard by or hear the other headset users in group B.
• ON in orange: The wired headset user is in group B. In this case, the user can be heard by and hear the other headset users in group B.

2-Wire Audio Input & Output interface

PGM Audio Input Interface

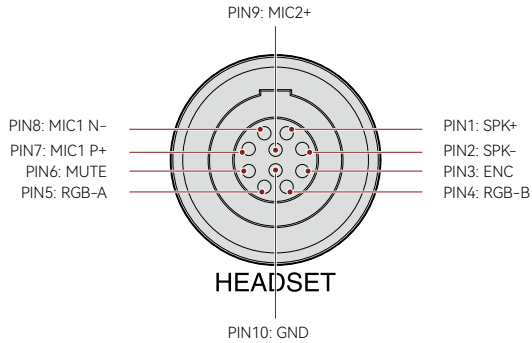Power Switch

DC Power Interface

V-Mount/G-Mount Battery Plate

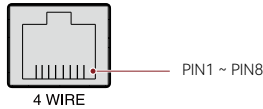4-Wire Audio Input & Output Interface (RJ45 Socket)

UAC Interface

RJ45 Interface

RF Antenna Interface

1

2

0B10 Wired Headset Interface

PIN9: MIC2+

PIN8: MIC1 N−
PIN7: MIC1 P+
PIN6: MUTE
PIN5: RGB−A

PIN1: SPK+
PIN2: SPK−
PIN3: ENC
PIN4: RGB−B

HEADSET

PIN10: GND

4-Wire Audio Input & Output Interface

PIN1 ~ PIN8

4 WIRE

Standard Line Sequence			
PIN1	GND	PIN5	AUDIO OUT−
PIN2	GND	PIN6	AUDIO IN−
PIN3	AUDIO IN+	PIN7	GND
PIN4	AUDIO OUT+	PIN8	GND

Cross Line Sequence			
PIN1	GND	PIN5	AUDIO IN−
PIN2	GND	PIN6	AUDIO OUT−
PIN3	AUDIO OUT+	PIN7	GND
PIN4	AUDIO IN+	PIN8	GND

2-Wire Audio Input & Output Interface

2 WIRE

PIN2: POWER

PIN1: GND

PIN3: AUDIO

PGM Audio Input Interface

PGM IN

PIN2: AUDIO IN−

PIN1: GND
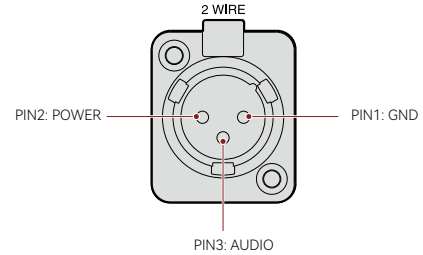
PIN3: AUDIO IN+

RJ451/RJ452 Interface

PIN1 ~ PIN8

RJ45

| Standard Line Sequence			
PIN1	Tranceive Data+	PIN5	Not connected
PIN2	Tranceive Data−	PIN6	Receive Data−
PIN3	Receive Data+	PIN7	Not connected
PIN4	Not connected	PIN8	Not connected

■ Hub Display Description
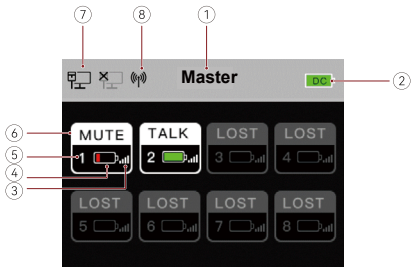
① Hub Mode (Master/Slave)
② Hub Battery Level
③ Wired Headset Signal Strength
④ Wired Headset Battery Level (Red: Low Battery)
⑤ Wired Headset Number
⑥ Wired Headset Status
   TALK: The headset user can hear and talk with the other headset users.
   MUTE: The headset user is muted and can only hear the other headset users.
   LOST: The headset is disconnected from the hub.
   LINK: The headset is reconnecting to the hub.
⑦ Network Connection Status
⑧ Wi-Fi Status

■ Hub Menu Description

Press and hold the Menu/Confirmation button for about 3 seconds to enter the menu interface.
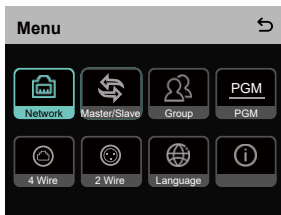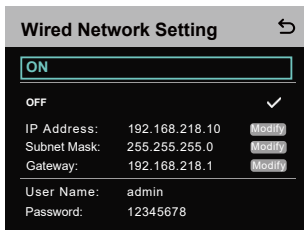

1. Select **Network** to enter the network configuration interface.
1.1 Select **Wifi Setting** and turn Wi-Fi on or off. After it is turned on, the IP address, SSID, and password are displayed.
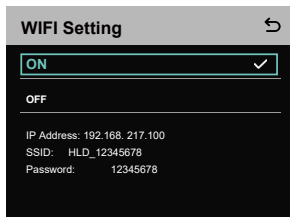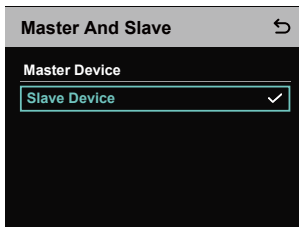
1.2 Select **Wired Network Setting** to switch between automatic IP and fixed IP modes. If fixed IP mode is used, you can modify the IP address, subnet mask, and gateway as well as view the user name and password for logging in to the web.

Wired Network Setting		↰
ON		
OFF		✓
IP Address:	192.168.218.10	Modify
Subnet Mask:	255.255.255.0	Modify
Gateway:	192.168.218.1	Modify
User Name:	admin	
Password:	12345678	

2. Select **Master/Slave** to set the hub as the master device or slave device.
2.1 Select **Master Device** to set the hub as the master device.

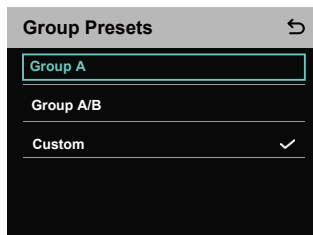| Master And Slave	↰
Master Device	
Slave Device	✓

2.2 Select **Slave Device** and then select **Scan** to scan the IP addresses of master devices on the network. Select the IP address of the corresponding master device in the displayed list and confirm it. Then, the hub is successfully set as the slave device.
  • When a single hub is used, the hub needs to be set as the master device.
  • When more than two hubs are used in a cascaded connection, one hub needs to be set as the master device and the other hubs as the slave devices.

Master-Slave Device	↰
Master 1 IP: 192.168.218.011	✓
Master 2 IP: 192.168.218.012	
Master 3 IP: 192.168.218.013	
Master 4 IP: 192.168.218.014	
Master 5 IP: 192.168.218.015	
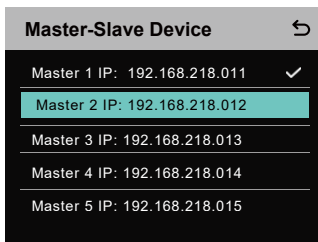
3. Select **Group** to perform group settings and view group status.
3.1 There are three options: **Group A** (All devices are in group A), **Group A/B** (All devices are in groups A and B), and **Custom** (The group settings can be customized on the web. All devices are in group A by default).

Group Presets	↰
Group A	
Group A/B	
Custom	✓

3.2 Select **Group Review** to view group settings.

Group Review	↰

Headset 1	Headset 2	Headset 3	Headset 4
A B	A B	A B	A B

→

Headset 5	Headset 6	Headset 7	Headset 8
A B	A B	A B	A B
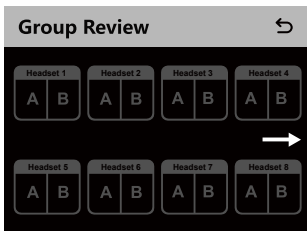
4. Select **PGM** to set the PGM audio gain according to the input volume.

Gain Setting	↰
−18dB	
-12dB	
-6dB	
0dB	✓
6dB	
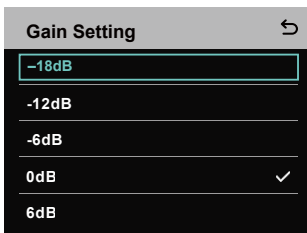
5. Select **4 Wire** to perform 4-wire audio settings.
5.1 Select **Input Gain** to set the input gain according to the input volume.
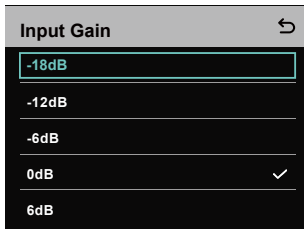
Input Gain	↰
-18dB	
-12dB	
-6dB	
0dB	✓
6dB	

5.2 Select **Output Gain** to set the output gain according to the input volume.

Output Gain	↩
-18dB	
-12dB	
-6dB	
0dB	✓
6dB	
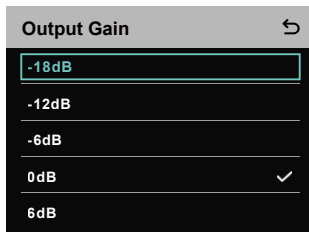
5.3 Select **Line Sequence Switching** to switch between **Standard** and **Cross** modes.

Line Sequence Switching	↩
IN+ OUT+ OUT- IN-	Standard ✓
OUT+ IN+ IN- OUT-	Cross
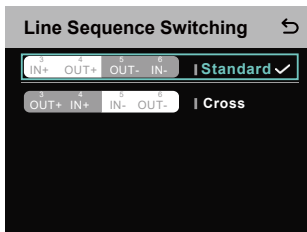
6. Select **2 Wire** to perform 2-wire audio settings.
6.1 Connect the hub to a 2-wire device and set the corresponding cable compensation and terminal resistance on the hub. Power on the 2-wire device and turn off or disconnect its microphone to make sure that there is no other audio transmission on the 2-wire link. Otherwise, the accuracy of auto-null settings may be affected. After **Auto Null** is selected, auto-null settings for the 2-wire device will be performed automatically on the hub.
6.2 Select **Cable Compen** to check the 2-wire cable length and select the corresponding compensation option according to the cable length.

Cable Compen	↰
50m	✓
100m	
150m	
200m	
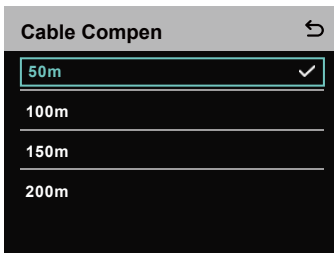
6.3 Select **Terminal Res** to check whether the 2-wire device connected via the 2-wire interface has terminal resistance. If it has, select **OFF**. Otherwise, select **ON**.

Terminal Res	↰
ON	✓
OFF	

6.4 Select **Input Gain** to set the input gain according to the input volume.
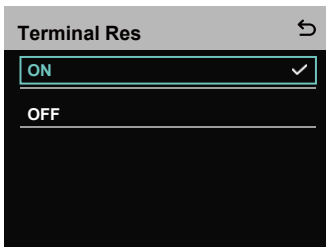
Input Gain	↰
-18dB	
-12dB	
-6dB	
0dB	✓
6dB	
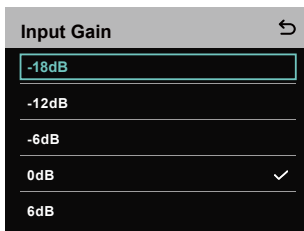
6.5 Select **Output Gain** to set the output gain according to the input volume.

Output Gain	↰
-18dB	
-12dB	
-6dB	
0dB	✓
6dB	
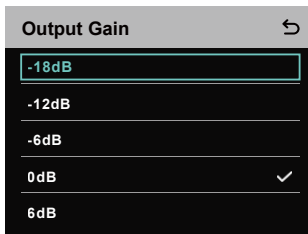
7. Select **Language** to perform language

Language	�
Chinese	✓
English	
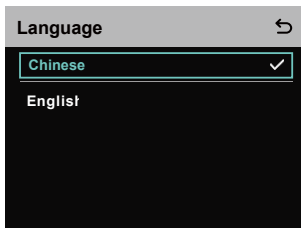
8. Select **Info** to check related information about the hub.

Reset	�
Are you sure to reset?	
YES	NO

8.1 Select Reset to restore the configured hub information to the default settings.

Info	
Master-Slave	Slave Devic
Reset	>
Version Information	V1.0.3.5
Hardware Number	H000

13
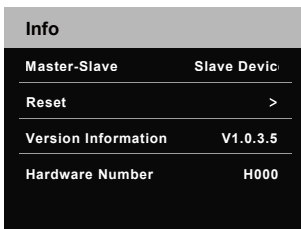
Performing Group Settings via a Computer

• Select **Network > Wired Network Setting** to view the default IP address, user name, and password of the hub.

• Use a network cable to connect the hub to a computer via the RJ45 interface and set the IP address of the computer as 192.168.218.XXX. The default IP address of the hub is **192.168.218.10.**
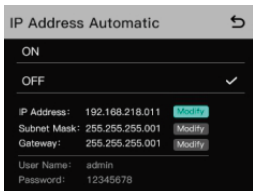
• Open a browser on the computer and visit **http://192.168.218.10** to enter the configuration page for the hub.
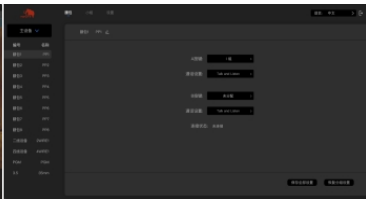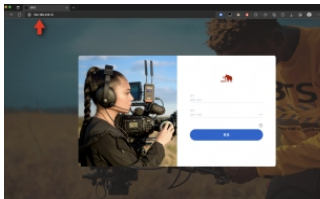
Group A & B Buttons on Headsets

After group settings are performed on the hub, the A or B button on a connected headset will light ON. The button light status indicates which group the headset has joined. To join or exit group A or B, simply press the A or B button on the headset.
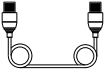
A and B Button Light Status	Description
ON in orange	The headset user is in the corresponding group. In this case, the headset user can hear and talk with the other headset users in the same group.
OFF	The headset user is not in the corresponding group. In this case, the headset user cannot hear or talk with the other headset users.

Cascaded Connection

Multiple hubs can be cascaded to expand the number of headsets. The hub supports two cascade methods — 4-wire analog signal cascade and IP digital signal cascade. Generally, it is recommended to cascade two hubs using 4-wire analog signals,and cascade three or more than three hubs using IP digital signals.

It is recommended to use a CAT5e cable for cascade and use the 568B standard for the RJ45 interface.

Standard Network Cable	Specifications	Max Length
	CAT5e CAT6e	300 meters

Two-System Cascaded Connection via the 4-Wire Interface
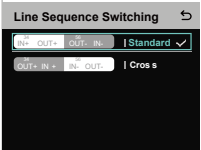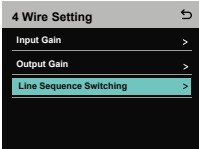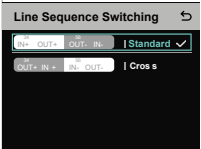
Use a standard network cable to connect two hubs via the 4-w interface. The length of the network cable is up to 300 meters.

Network cable of 300 meters
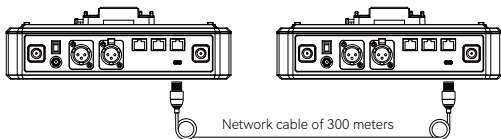
4-Wire Settings

After connecting two hubs using a network cable, select **4 Wire > Line Sequence Switching** on the hubs, and then select **Standard** on one hub and **Cross** on the other.

Hub Display

Hub ①	Select **4 Wire > Line Sequence Switching**.	Select **Standard.**
4-Wire Settings	**4 Wire Setting** ↩ Input Gain > Output Gain > Line Sequence Switching >	**Line Sequence Switching** ↩ IN+ OUT+ OUT+ IN- | Standard ✓ OUT+ IN + IN- OUT- | Cross s
Hub ②	Select 4 Wire > Line Sequence Switching.	Select Cross.
4-Wire Settings	**4 Wire Setting** ↩ Input Gain > Output Gain > Line Sequence Switching >	**Line Sequence Switching** ↩ IN+ OUT+ OUT+ IN- | Standard ✓ OUT+ IN + IN- OUT- | Cross s

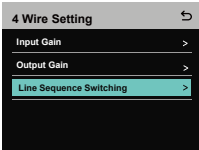### Two-System Cascaded Connection via the IP Network

Use a standard network cable to connect two hubs via the RJ45 interface. Either of the two RJ45 interfaces on the hub works. The length of the network cable is up to 300 meters.

Network cable of 300 meters
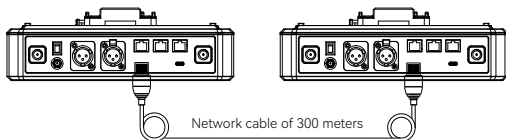
Master/Slave Mode Settings

After connecting two hubs using a network cable, select **Master/Slave** on the hub to set the hub mode. On one hub, select **Master Device**. On the other hub, select **Slave Device > Scan** and then select the IP address of the corresponding master hub.

Note that the **IP Address Automatic** function under the **Network** settings needs to be turned OFF on both two hubs.

Hub Display

Hub ①	Select **Network** and set **IP Address Automatic** to OFF.	Select **Master/Slave > Master Device.**
Network Settings	**Wired Network Setting** ↩ **ON** OFF ✓ IP Address : 192.168.218.10 Modify Subnet Mask: 255.255.255. 0 Modify Gateway: 192.168.218. 1 Modify User Name: admi n Password: 12345678	**Master And Slave** ↩ **Master Device** Slave Device ✓
Hub ②	Select **Network** and set I**P Address Automatic** to **OFF.**	Select **Master/Slave > Slave Device > Scan.**
Network Settings	**Wired Network Setting** ↩ **ON** OFF ✓ IP Address : 192.168.218.10 Modify Subnet Mask: 255.255.255. 0 Modify Gateway: 192.168.218. 1 Modify User Name: admi n Password: 12345678	**Master And Slave** ↩ **Master Device** Slave Device ✓
	After **Scan** is selected, the IP addresses of master devices will be displayed. Then, select the desired IP address using the arrow buttons and press the Menu/Confirmation button to confirm the IP address.	**Master-Slave Device** ↩ Master 1 IP: 192.168.218.0 11 ✓ Master 2 IP: 192.168.218.01 2 Master 3 IP: 192.168.218.01 3 Master 4 IP: 192.168.218.01 4 Master 5 IP: 192.168.218.01 5

Three-System Cascaded Connection via the IP Network

It is recommended to use the IP network connection to cascade three hubs. On one hub, select Master Device, and on the other two hubs, select Slave Device.

Network cable   Network cable
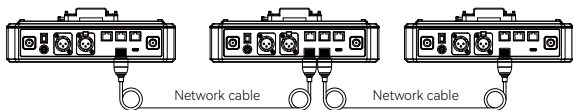
Parameters

Antenna	External
Power Supply	DC power, NP-F battery, V-mount battery, G-mount battery
Volume Adjustment	Adjustment knob
Power Consumption	<4.5W
Dimensions	(LxWxH): 259.9mmx180.5mmx65.5mm (10.2"x7.1"x2.6")
Net Weight	About 1300g (45.9oz) with the antennas excluded
Transmission Range	1,100ft (350m) LOS
Frequency Band	1.9 GHz (DECT)
Bandwidth	1.728MHz
Wireless Technology	Adaptive Frequency Hopping
Wireless Power	≤ 21dBm (125.9 mW)
Modulation Mode	GFSK
RX Sensitivity	<−90dBm
Frequency Response	150Hz−7kHz
Signal-to-Noise Ratio	>55dB
Distortion	<1%
Input SPL	>115dB SPL
Temperature Range	0℃ to 45℃ (working condition) −10℃ to 60℃ (storage condition) Note: The highest working temperature is 40℃ when the adapter is used for the power supply.

Note: The frequency band and TX power vary by country and region.

Safety Precautions

Do not place the product near or inside heating devices (including but not limited to microwave ovens, induction cookers, electric ovens, electric heaters, pressure cookers, water heaters, and gas stoves) to prevent the battery from overheating and exploding.

Do not use non-original charging cases, cables, and batteries with the product. The use of non-original accessories may cause electric shock, fire, explosion, or other dangers.

Support

If you encounter any problems in using the product or need any help, please contact Hollyland Support Team via the following ways:

📧 Hollyland User Group

🔲 HollylandTech

📷 HollylandTech

▶️ HollylandTech

✉️ support@hollyland-tech.com

🌐 www.hollyland-tech.com

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Note:

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FCC Requirement

Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the device. This device complies with Part 15 of the FCC Rules.

Operations are 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 operations.

FCC Radiation Exposure Statement:

This equipment complies with FCC 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.

Note:

This device 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 device generates, uses, and can radiate radio frequency energy, and if it is not installed and used in accordance with the instrustions, it may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this device does cause harmful interference to radio or television reception, which can be determined by turning the device 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 distance between the device and the receiver.

– Connect the device to 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.