Packing:
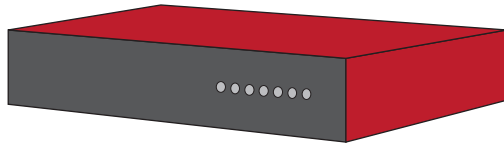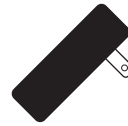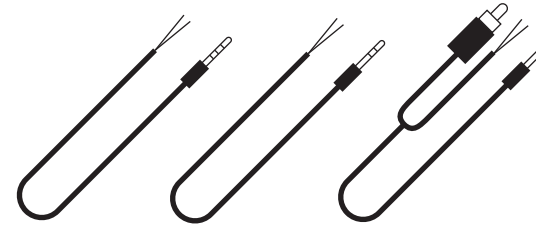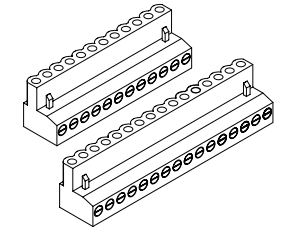

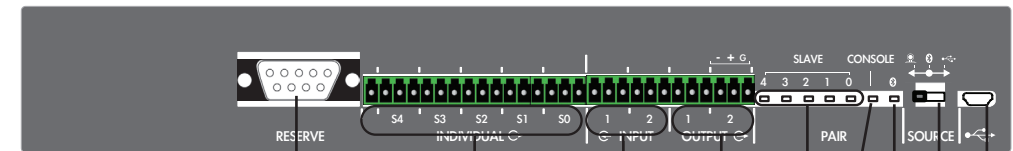| iMageTech MCU4 unit | USB cable | USB adapter | VCS cable set (Differs according to VCS model) | Terminal port (16pin+12pin) |

I/O Port & LED

1. Power indicator
2. Audio source status indicator (Bluetooth/blue, USB/red, VCS/none)
3. Bluetooth connection status indicator (Blue)
4. System-reserved port
5. Audio Out (independent audio output)
6. Audio In (connect to Audio Out of the VCS)
7. Audio Out (connect to the Audio In of the VCS)
8. Bluetooth Speakerphone pairing button (S0, S1, S2, S3, S4)
9. Console pairing button
10. Bluetooth audio source pairing button
11. Audio source selection switch (video, USB, Bluetooth)
12. USB power

Start

Step1 : Connect the USB adapter (No.12) to the iMageTech MCU 4 Wireless Meeting Speakerphone System.

Step2 : Press the "Bluetooth Speakerphone pairing button (No.8)" on the back for 3 seconds, and wait until "the Bluetooth connection status indicator (blue)" rapidly flashes, then it can automatically be mapped to the iMage A1/A2 Bluetooth Conference Speakerphone. Simply pair five sets of iMage A1/A2 Bluetooth Conference Speakerphones to S0, S1, S2, S3 and S4 in order (make sure that the iMage A1/A2 Bluetooth Conference Speakerphone is set to "Adpter mode" before pairing).

Step3 : Select audio source (Bluetooth, USB or video mode). You can select Bluetooth to connect mobile devices or USB devices to the computer, or connect a VCS using dedicated audio cables. If Bluetooth audio source is selected, please pair it using the Bluetooth audio source pairing button (No.10).

Specification

Model:
iMageTech_MCU4_03

Dimensions:
265mm X 127mm X 44.5mm

Weight:
445±5g

Bluetooth Version:
Bluetooth v3.0+EDR/AGHFP V1.6

Operating Frequency:
2402MHz~2480MHz

Module Type:
Bluetooth Specification V3.0 Class 2 and Class 3

Audio Input/Output Type:
Bluetooth/Terminal/USB

Audio Performance:
Sample rate: 16K
Crosstalk: 75dB
SNR: 85dB

Audio Mixer:
5 channel analog in/out

Audio Input:
MIC in/Line In
Impedance: < 10 KΩ
Maximum Level: 0 dB

Audio Output:
Impedance: > 600 Ω
Maximum Level: 0 dB

Individual Audio Output:
Impedance: > 600 Ω
Maximum Level: 0 dB

Configuration & Admin Software:
iMageTech Audio Parameter Editor....TBD

Control Ports:
Serial Command Protocol Only (Console software not supported on RS- 232 port)
DB-9 female - Reserve
38,400 baud rate; 8 bits,1 stop bit, no parity

USB:
Mini-USB Type B

Antenna Type:
Build-in Antenna

Power:
DC5v ±10%

Operating Temperature:
0 ~ 60℃

Optional Accessories:
iMage A1/A2 Bluetooth Conference Speakerphone
PSTN/SIP Moduel
Dial Pad

＊Note: The data listed above were acquired by laboratory testing; actual data may vary according to different usage scenarios.

Source

The iMageTech MCU4 Wireless Meeting Speakerphone System can quickly connect to the audio device you require through the "audio source selection switch (No.11)"; it provides three connection modes: Bluetooth, USB and VCS.
＊Bluetooth mode: Press and hold the "Bluetooth audio source pairing button (No.10)" for 3 seconds to enter pairing mode to pair and use the device.
＊USB mode: Simply connect the PC and the iMageTech MCU4 Wireless Meeting Speakerphone System with a USB cable.
＊VCS mode: Please refer to the chapters "Connecting VCS" and "Wiring method".

LED Indicator Bluetooth connection status display

The current connection status can be determined by how the "Bluetooth connection status indicator (blue)" flash:
＊Entering pairing mode: Flash rapidly
＊Pairing successful: Light remains constantly
＊Flash once every 5 seconds: No devices to pair

Notes

＊This product must be used with iMage A1/A2 Bluetooth Conference Speakerphone and be set up by professional engineers before it can be used; please contact an engineer if you encounter any problems during use.
＊When connecting with iMage A1/A2 Bluetooth Conference Speakerphone, the maximum distance allowed between the two is approximately 10 meters provided that there are no large objects (such as walls etc) or barriers in between them.
＊iMageTech MCU4 Wireless Meeting Speakerphone System can be paired with a maximum of 5 iMage A1/A2 Bluetooth Conference Speakerphones. Please be careful to only pair one speakerphone at a time; when one speakerphone is successfully paired with the system, then proceed to pair the next one.
＊If you are pairing your iMageTech MCU4 Wireless Meeting Speakerphone System and iMage A1/A2 Bluetooth Conference Speakerphone for the first time, it takes approximately 30~45 seconds to complete the pairing process; but if you have previously paired them before, pairing can be completed in approximately 10 seconds.

Statement

This product complies with the provisions of the low-power radio wave radiation Administrative Regulations Article XII-XIV etc.
＊Without permission granted by the DGT, any company, enterprise, or user is not allowed to change frequency, enhance transmitting power or alter original characteristic as well as performance to an approved low power radio-frequency devices.
＊The low power radio-frequency devices shall not influence aircraft security and interfere legal communications; If found, the user shall cease operating immediately until no interference is achieved.
＊The said legal communications means radio communications is operated in compliance with the Telecommunications Act.
＊The low power radio-frequency devices must be susceptible with the interference from legal communications or ISM radio wave radiated devices.

Contact Us! Need more help? Please contact us now

1. Website Introduction: http://www.iMagetech.com.tw (provides the newest support information and online user manual)
2. E-mail address: http://www.iMagetech.com.tw/contact.php
3. Please call: 886-2-27967771
4. Address 5F., No.16, Ln.15, Sec. 6, Minquan E. Rd., Neihu Dist., Taipei City 114

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VCS wiring instructions (Cisco SX20, advision XT series)

VCS cable set is already included in the iMageTech MCU4 Wireless Meeting Speakerphone System product package, allowing you to connect to several frequently used VCS mode (Cisco SX20, Radvision XT series) directly. The following are the wiring methods and the reference figure for the corresponding pins.
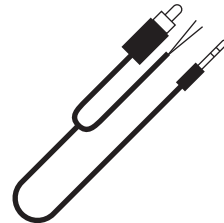Please note that the wiring of this product must be performed by a professional engineer in order to avoid misconnection resulting in function failure.
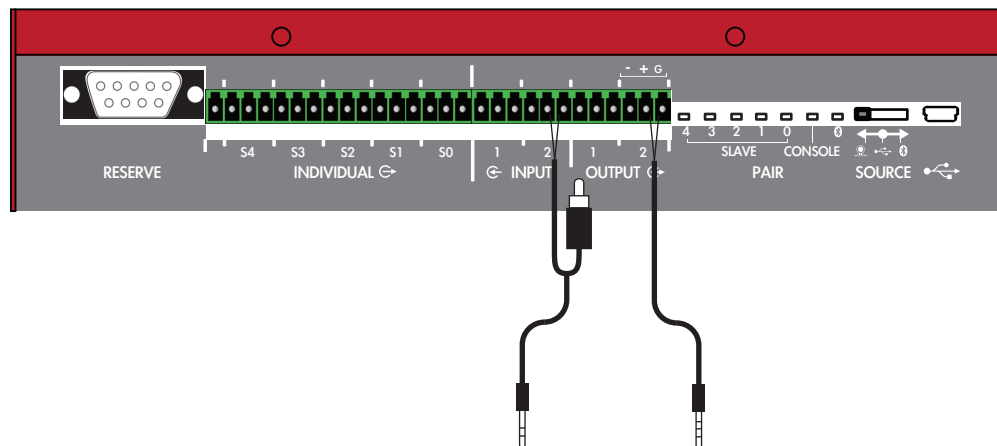
Cisco SX20

1. Cable required:
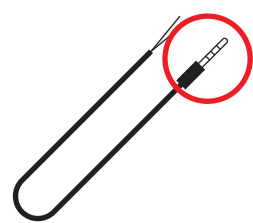
3.5mm (4-pole) to stripped wire connector

3.5mm (3-pole) to stripped wire connector+RCA

2. Wiring instructions:

Connect the "+ (positive)" and "G (ground)" of the stripped wire connector to the corresponding iMageTech MCU4 Wireless Meeting Speakerphone System terminal ports; insert the 3.5mm terminal directly into the Audio In/Out of Cisco SX20.
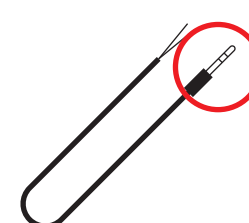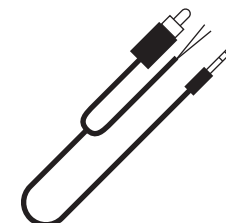

Connect Cisco to SX20 Audio Out

Connect Cisco to SX20 Audio In

Radvision XT series(XT5000, XT4200)
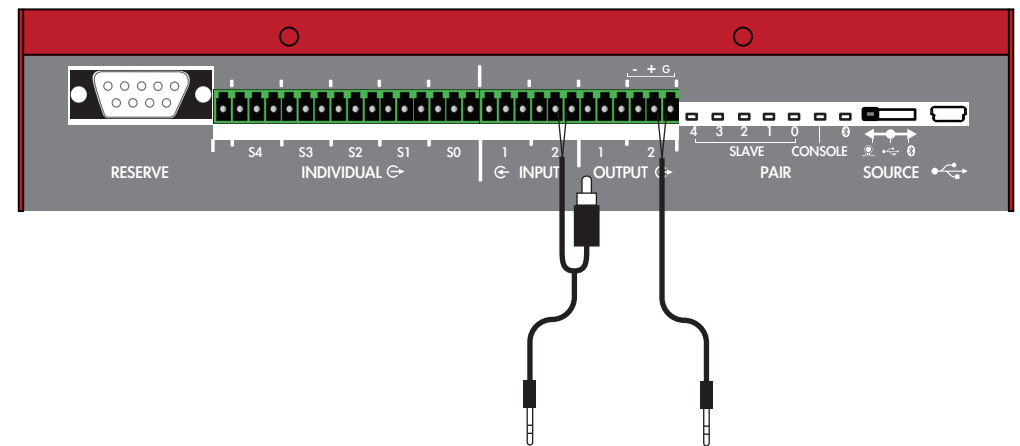
1. Cable required:

3.5mm (3-pole) to stripped wire connector

3.5mm (3-pole) to stripped wire connector+RCA

2. Wiring instructions:

Connect the "+ (positive)" and "G (ground)" of the stripped wire connector to the corresponding iMageTech MCU4 Wireless Meeting Speakerphone System terminal ports; insert the 3.5mm terminal directly into the Audio In/Out of Radvision XT series.
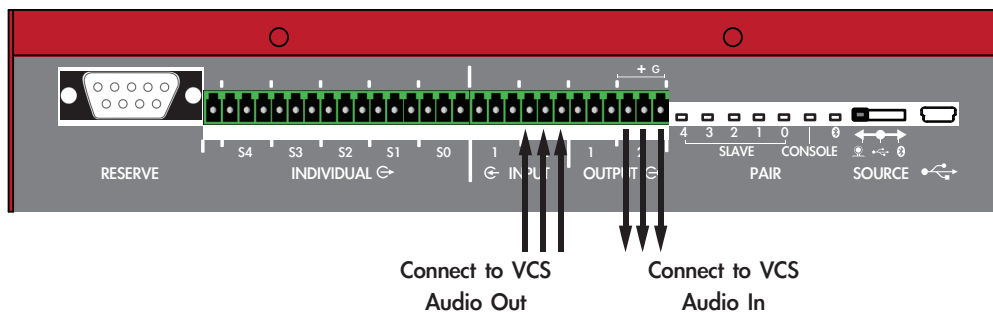

Connect Radvision to XT series Audio Out

Connect Radvision to XT series Audio In

VCS Wiring (other models)

If your VCS is another model, you can still use the following wiring method to connect and use with the iMageTech MCU4 Wireless Meeting Speakerphone System; the following is the reference figure for the corresponding wiring pins.

Note! The output/input terminal audio values and standards of different VCS may differ; please first refer to the user manual of the VCS you want to connect to.
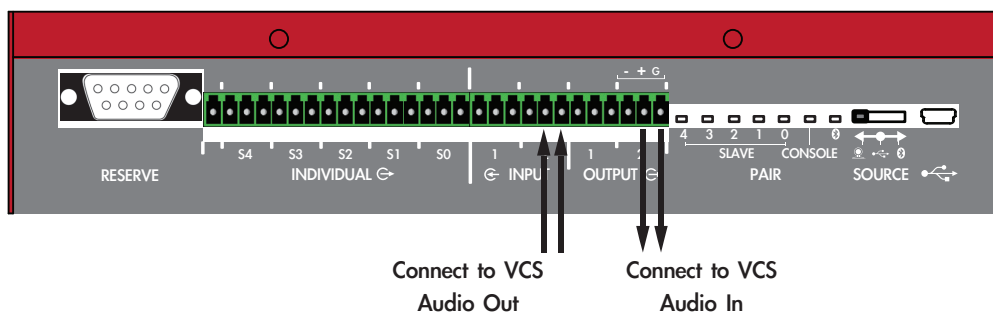
Terminal connection

When connecting, please note that the order from left to right is negative, positive and ground respectively.

- + G

Balanced connection

Connect to VCS Audio Out

Connect to VCS Audio In

Unbalanced connection

Connect to VCS Audio Out

Connect to VCS Audio In

Independent audio output connection (balanced) (the reception of each iMage A1/A2 Bluetooth Conference Speakerphone can be output to external audio equipment independently)

Connect to external audio equipment or VCS Audio In

Connect to VCS Audio Out
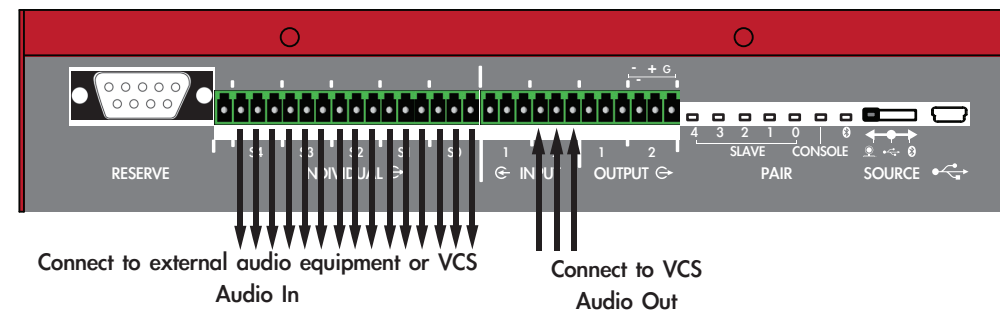
Independent audio output connection (unbalanced) (the reception of each iMage A1/A2 Bluetooth Conference Speakerphone can be output to external audio equipment independently)

Connect to external audio equipment or VCS Audio In

Connect to VCS Audio Out
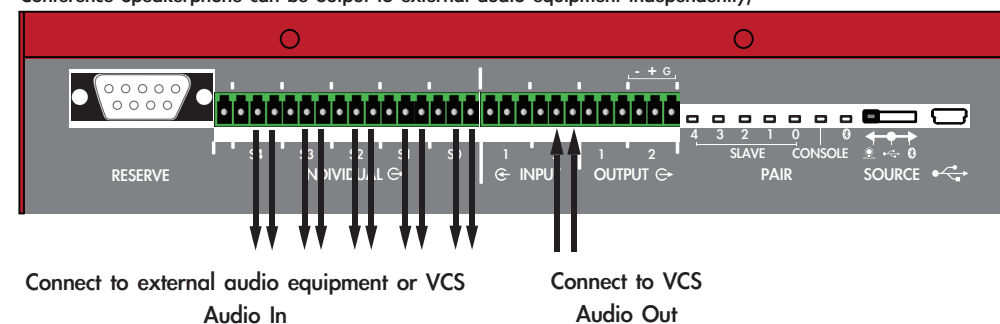
Appendix:
FCC Statement

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 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 RF Radiation Exposure Statement

1. The equipment complies with RF exposure limits set forth for an uncontrolled environment. The antenna(s) used for this transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.
2. This equipment complies with FCC RF radiation exposure limits set forth for an uncontrolled environment.
3. This equipment should be installed and operated with a minimum distance of 20 centimeters between the radiator and your body.

FCC Caution: Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this 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

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