User Manual

IPH300

Full HD HDMI over IP Extender



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Version: IPH300_2020V1.2

Preface

Read this user manual carefully before using the product. Pictures shown in this manual are for reference only. Different models and specifications are subject to real product.

This manual is only for operation instruction, please contact the local distributor for maintenance assistance. The functions described in this version were updated till March, 2020. In the constant effort to improve the product, we reserve the right to make functions or parameters changes without notice or obligation. Please refer to the dealers for the latest details.

FCC Statement

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. It has been tested and found to comply with the limits for a Class A digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a commercial installation.

Operation of this equipment in a residential area is likely to cause interference, in which case the user at their own expense will be required to take whatever measures may be necessary to correct the interference.

Any changes or modifications not expressly approved by the manufacture would void the user's authority to operate the equipment.

CE





SAFETY PRECAUTIONS

To ensure the best performance from the product, please read all instructions carefully before using the device. Save this manual for further reference.

- Unpack the equipment carefully and save the original box and packing material for possible future shipment.
- Follow basic safety precautions to reduce the risk of fire, electrical shock and injury to persons.
- Do not dismantle the housing or modify the module. It may result in electrical shock or burn.
- Using supplies or parts not meeting the products' specifications may cause damage, deterioration or malfunction.
- Refer all servicing to qualified service personnel.
- To prevent fire or shock hazard, do not expose the unit to rain, moisture or install this product near water.
- Do not put any heavy items on the extension cable in case of extrusion.
- Do not remove the housing of the device as opening or removing housing may expose you to dangerous voltage or other hazards.
- Install the device in a place with fine ventilation to avoid damage caused by overheat.
- Keep the module away from liquids.
- Spillage into the housing may result in fire, electrical shock, or equipment damage. If an object or liquid falls or spills on to the housing, unplug the module immediately.
- Do not twist or pull by force ends of the optical cable. It can cause malfunction.
- Do not use liquid or aerosol cleaners to clean this unit. Always unplug the power to the device before cleaning.
- Unplug the power cord when left unused for a long period of time.
- Information on disposal for scrapped devices: do not burn or mix with general household waste, please treat them as normal electrical wastes.

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1. Product Features

- Full HD HDMI over IP extender Kits.
- Supports resolution up to 1920x1080p.
- HDCP compliant.
- H.264 and TCP/IP protocol.
- Video data takes up 40Mbps of bandwidth when transmitted over IP
- Low-latency: 30 ~ 50 msec.
- Supports point-to-point, point-to-multipoint and multipoint-to-multipoint applications.
- The advanced management system controls all devices in LAN uniformly.
- Low power consumption.

2. Package List

| Items | Q'ty | Remarks |
|-----------------|------|--|
| IPH300E Encoder | 1 | 84.4mm(L) x 50.6mm(W) x 19.5mm(H) |
| Power Adaptor | 1 | DC output: 5V/1A AC input: 110V ~ 220V, 50/60Hz |
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| Items | Q'ty | Remarks |
|-----------------|------|--|
| IPH300D Decoder | 1 | 84.4mm(L) x 50.6mm(W) x 19.5mm(H) |
| Power Adaptor | 1 | DC output: 5V/1A AC input: 110V ~ 220V, 50/60Hz |
| User Manual | 1 | |

Note: Please contact your distributor immediately if any damage or defect in the components is found.

3. Specification

| IPH300E Encoder | |
|------------------------|--|
| Video Input | (1) HDMI |
| Video Input Connector | (1) Type-A female HDM |
| HDMI Input Resolution | Up to 1920x1080p@60Hz |
| Control | (1) ETHERNET |
| Control Connector | (1) RJ45 |
| IPH300D Decoder | |
| Video Output | (1) HDMI |
| Video Output Connector | (1) Type-A female HDMI |
| | Supports 1920x1080(Full-HD,1080p), |
| | 1680x1050(WSXGA), 1280x1024(SXGA), |
| | 1280x720(HD,720p), 1024x768(XGA), |
| HDMI Output Resolution | 800x600(SVGA) and 640x480(VGA) |
| | (Progressive only—1080p,720p,480p and etc; |
| | 60Hz/50Hz) |
| Control | (1) ETHERNET |
| Control Connector | (1) RJ45 |
| General | |
| Transmission Distance | LITE Cobley 100m 120m |
| (Point-to-Point) | 01P Cable: 100m ~ 120m |
| External Dowar Supply | DC output: 5V/1A |
| | AC input: 110V ~ 220V, 50/60Hz |
| Bower Concumption | Encoder:1.55W (Max); |
| Power Consumption | Decoder: 1.28W (Max) |
| Operation Temperature | -10°C ~ +55°C |
| Storage Temperature | -25°C ~ +70°C |
| Relative Humidity | 10%-90% |
| Dimension (W*H*D) | 50.6mm x 19.5mm x 84.4mm |

Net Weight

Encoder/Decoder: 55g

4. Panel Description

4.1 Encoder (Tx)

- HDMI IN: Type-A HDMI port to connect HDMI source device.
- ② DC 5V: Micro-USB port for external 5V DC power supply
- ③ ETHERNET: RJ45 port to connect to the decoder.
- (4) Factory Reset.
- S POWER LED: The LED illuminates red when power is applied.
- INK LED: The LED blinks green when the encoder and the decoder communicate successfully each other with video/audio data.
- ⑦ DC 5V: DC jack for external AC power supply 110V ~ 220V,50/60HZ





4.2 Decoder (Rx)

- HDMI OUT: Type-A HDMI port to connect HDMI display device.
- ② DC 5V: Micro-USB port for external 5V DC power supply
- 3 ETHERNET: RJ45 port to connect to the encoder.
- Factory Reset.
- **POWER LED:** The LED illuminates red when power is applied.
- INK LED: The LED blinks green when the encoder and the decoder communicate successfully each other with video/audio data.
- ⑦ DC 5V: DC jack for external AC power supply 110V ~ 220V,50/60HZ





5. System Connection

Usage Precautions

- Make sure all components and accessories included before installation.
- System should be installed in a clean environment with proper temperature and humidity.
- All of the power switches, plugs, sockets, and power cords should be insulated and safe.
- All devices should be connected before power on.



The product is connected on standard Ethernet (Internet) network. (Refer to the picture above).

- 1) IPH300E encoder (Tx) is connected via HDMI cable to HDMI output port of video source devices like PC and set-top-box.
- 2) IPH300D decoder (Rx) connects to monitor/TV via HDMI cable as well.
- 3) The encoder and decoder are connected via Ethernet cable (UTP or fiber optic cable) directly or through the step of Ethernet switches in- between.
- 4) "PWR" LED light is on when power is supplied.
- 5) "Link" LED light (green) is blinking when the encoder and the decoder communicate successfully each other with video/audio data.

6. Operation of Mango

The Mango is the program that searches, detects, shows, and configures the Encoder/Decoder devices through Ethernet network.

Requirement: Windows computer.

All devices are connected through L2 switch which supports IGMP feature for 1-tomany connection - one Encoder sends video to many Decoders.



6.1 Construction Structure of Mango and Encoder/Decoder devices

- 1) Connect a computer to the Ethernet network to which Encoders (T1, T2 ...) and Decoders (R1, R2 ...) are connected.
- 2) Run Mango program on the computer.

Note: All devices should be located in the same network of same subnet address. Mango does not support those devices out of the network - different subnet address.

6.2 Features of Mango

Once you run Mango program on your computer, there pops up a window as below. There are 5 sections mainly: $#1 \sim #5$ in the below picture.

| X Devices | #1 | Sessions | | | #2 | RX Devices | # |
|--|------|--|-----------|------------|--------------------|------------|---|
| Mac | Name | Add Delet | e C | onnect | Add Delete | Mac | Name |
| | | Group # 0 | | -11 | #3 | | |
| | | | | | | | |
| | | Add Delet | e Connect | Disconnect | Add Delete | | |
| Device Info | | Network In | fo | | #4 | | Conrob 3 |
| Pevice Info Device ID | | Network In MAC | fo | | #4 | | Search i |
| Device Info Device ID Device Name | | Network In MAC IP | fo | | #4 | | Search # |
| Device Info Device ID Device Name QP | | Network In MAC IP Destination | i IP | | #4 | | Search 4 Status Setting |
| Device Info Device ID Device Name QP GOP Shaning | none | Network In MAC IP Destination Gateway II | i IP | | #4 | | Search 4 Status Setting Reboot |
| Device Info Device ID Device Name QP GOP Shaping Device Status | none | Network In MAC IP Destination Gateway II IGMP IP Sport | 6 | | #4 SB Use 🔲 Use | | Search # Status Setting Reboot All Reboot |

#1 on the left and right sides: Shows Tx (encoder) devices on the left and Rx (decoder) ones on the right.

#2 is the section for building up 1-to-1 session connection.

#3 is the section for building up group of 1-to-many connection - grouping.

#4 shows information of a device you click on in any section of #1 ~ #4.

#5 shows buttons of operation administering device configuration.

6.3 Default Operation - Automatic

Every device is released set as the "<u>Auto</u>" (automatic) mode when manufactured. You can confirm this in 'Op Mode' in #4 section of the Mango program window. In this "Auto" mode, the Tx and Rx devices communicate in 1-to-1 connection. A Tx device is designated to transmit video/audio to its destination IP address.

[Table] Default Network Value Set (Ex.- Default Values) - 1:1 Unicast

| Network Value Set | Encoder (Tx) | Decoder (Rx) |
|----------------------------|---------------|---------------|
| Source IP | 192.168.0.248 | 192.168.0.249 |
| Source MAC (factory value) | MAC#1 | MAC#2 |
| Source Port No. | 10000 | 10000 |
| Destination IP | 192.168.0.249 | 192.168.0.248 |
| Destination Port Number | 10000 | 10000 |
| Gateway IP | 192.168.0.1 | 192.168.0.1 |

In case that you want make multiple 1-to-1 connections and/or multiple 1-to-many (1: N) group connections in a single network, you first change those devices' operation mode (OP) to "Manual". Refer to the section 6.7.

6.4 Searching Devices

Click "Search" button.

| A Devices T | Sessions | | | | RX Devices 2 | |
|---|--|--------------|----------------|---------------------------------------|---|---|
| Mac Name 0024FC061F54 IPH300E_1 | | | | | Mac 0024FC011234 0024FC123333 | Name IPH300D_1 IPH300D_8 |
| | Group Sessions Group # | Con | nect | Add Delete | | |
| | Mac | Name | Мас | Name | | |
| | | | | | | |
| | < | | < | m | 2 | |
| т | , Add Delete | Connect | < | m , ct Add Delete | <m< td=""><td>)</td></m<> |) |
| m Jevice Info Device ID Device Name | Add Delete Network Info MAC IP | , Connect | + | m , ct Add Delete | < | Search Status |
| Device Info Device Info Device ID Device Name OP GOP Shaping Device Status O ON O OFF | Add Delete Network Info MAC IP Destination Gateway IP IGMP IP Sourt | IP 0 0 | < Disconnec | m , ct Add Delete USB Use 🗍 Use | <m< td=""><td>Search Status Setting Reboot All Reboot</td></m<> | Search Status Setting Reboot All Reboot |

In 3 seconds, you will find devices connected to the network. All devices connected to the same subnet will be shown. They are listed in the Tx and Rx section box with their own unique MAC address.

6.5 Device Information

Click MAC field of the searched device. Then, you can find its device information (Device Info) and its network configuration (Network Info).

| QUOPIN MANGO | 1.0.0.0 | | | | | | |
|---|--|---|--|---------------|--------------------------------------|-------------------------------------|--------------------------------|
| TX Devices 1 | | Sessions | | | | RX Devices 2 | |
| Mac 00024FC06iF54 | Name TPH300E_1 | Add Delete Group Sessions Group # Mac | ⊂ Con ▼ Name | Mac | Add Delete | Mac 0024FC011234 0024FC123333 | Name IPH300D_1 IPH300D_8 |
| Oevice Info Device ID Device Name QP | IPH300E IPH300E_1 18 | Add Delete Network Info MAC IP Destination IP | Connect 0024FC061F5 192, 168, 0, 101 192, 168, 0, 201 | 4 Disconne | m F | | Search Status Setting |
| GOP Shaping Device Status OP Mode IGMP Mode | 3U none ON OFF Auto Man ON OFF | Gateway IP IGMP IP Sport Dport | 192, 168, 0, 1 0 10000 10000 | • | USB Use 📄 Use Firmware 1.0,2,0 | Users | Reboot All Reboot Exit |

- Device ID (Product Model): Product model name of the device.
- Device Name: User can change this name as he likes for his convenience's sake.
- **QP (Quantized step Parameter):** Value ranges 0 ~ 51. The lower it is, the better video quality it transmits and the higher bandwidth is occupied. This parameter hold effect only in Tx devices. Value between **18** ~ **25** is recommended.
- GOP (Group Of Picture): Value ranges 1~60. It means the sum of one (1) I-frame and the number of the continuous P-frames following to this I-frame. 30 means 29 P-frames are transmitted after one I-frame is transmitted. I-frame is a full picture of a frame and P-frame holds the changes in the image from the previous frame. This parameter holds effect only in Tx devices. Value between 1 ~ 30 is recommended.
- Shaping: It limits the maximum output bandwidth on 1-second basis from Tx devices.
- This parameter holds effect only in Tx devices.

• **Device Status**: It says about the device status - whether or not the device is transmitting (Tx) / receiving (Rx) video. User cannot change this status - read only.

Note: It is important to know that user cannot configure the device while the device status is "ON". Only in "OFF" status can user change its configuration.

- **Op Mode:** There are two modes of operation for the device.
 - ✓ Auto: Device runs on its own on the basis of its configuration.
 - ✓ Manual: In this mode, devices send or receive video/audio only when the operator commands through Mango- "connect", "disconnect".
- IGMP Mode (Grouping): 1-to-many connection mode
 - ✓ ON: 1-to-many (1: N) session connection mode.
 - ✓ OFF: 1-to-1 (1:1) session connection mode.
- MAC: Device's MAC address.
- IP: Device's IP Address
- **Destination IP:** Counterpart device's IP address with which the device will make session.
- Gateway IP: Gateway IP in the network.
- IGMP IP (Group #): Group number of 1-to-many (1: N) devices.
- SPORT: The device's Source Port number.
- **DPORT:** Destination Port number of the counterpart device with which the device will make session.
- **USB Use:** It says whether the device will allow users to use USB devices. This holds effect for those products with USB ports.
- Firmware: Firmware version of the device.

6.6 Other Buttons

- Setting: It saves the configuration values for the selected device.
- Reboot: It reboots the selected device.
- All Reboot: It reboots all devices in the network.
- **Users:** It pops up a window where the administrator can add Mango operators by creating new ID and password.
- Exit: It shut down Mango program.

| (Devices | Sessions | | | RX Devices | |
|---|---|---|------------------|------------|---|
| fac N | Add Add Group Se: Group # Mac | Delete Cor ssions 0 ~ Name | nect Add I | Delete | Name |
| | Add | Delete Connect | Disconnect Add [| Delete | |
| levice Info | Add | Delete Connect twork Info | Disconnect Add [| Delete | Search |
| evice Info | Add Ne | Delete Connect twork Info AC | Disconnect Add [| Delete | Search Status |
| evice Info Device ID Device Name | Add Ne IP | Delete Connect twork Info | Disconnect Add [| Delete | Search Status |
| vice Info Device ID Device Name OP | Add Ne IP De | Delete Connect twork Info AC stination IP | Disconnect Add [| Delete | Search Status Setting |
| evice Info Device ID Device Name QP GOP Shaping none | Add Mu IP De Ga | Delete Connect twork Info AC | Disconnect Add [| Delete | Search Status Setting Reboot |
| evice Info Device ID Device Name QP GOP Shaping Device Status | Add Mu IP De Ga V O OFF | Delete Connect twork Info AC | Disconnect Add [| Delete | Search Status Setting Reboot All Reboot |

6.7 Operation Guidelines

Unless user applies the Tx and Rx devices as 1-to-1 connection in its original default setting, I would like to give your customers guidelines regarding Mango-M program usage:

- 1) Change operation mode ("Op mode") to "Manual" (default is "Auto"), save ("Setting") and reboot ("Reboot").
- 2) Configure devices, if necessary as it is required, about IP addresses, Grouping mode, Group #, and etc.
- 3) Save ('Setting') and reboot ('Reboot').
- 4) Install the devices to the target field network.
- 5) Confirm the connections are correct in the target field network. If not correct, check and correct the configuration setting values for the devices.

Note: Please don't forget the devices are set as "Manual" mode. If there are power supply failure even temporarily, the devices in "Manual" mode will not send/receive video and wait for the operator to command "Connection" again via Mango.

In case you want to fix the connection and run the devices all the time when the electric power is supplied, "Auto" mode is recommended for the devices.

6) Change operation mode ("Op mode") to "Auto", save ("Setting") and reboot ("Reboot") for the devices via Mango.

Once devices are installed and running (green bullet) as "Auto" mode in the field network, if an operator wants to change their connection and grouping, the device is to be disconnected first and changed to "Manual" mode first. You cannot change setting

values for the running device (connection indicated by green bullet) until it is disconnected.

- 7) Disconnect running devices (green bullet[●]) via Mango. The bullet turns to grey ([●]).
- 8) Change "Op mode" to "Manual" from "Auto", promptly save ("Setting") and reboot ("Reboot").
- 9) Change configuration and save ("Setting").

Note: Please note that you have set devices as "Manual" mode finally.

You will come to know that mode change from "Auto" to "Manual" and vice versa needs "save" and "reboot" operation in a row.

6.8 Configuration & Operation

6.8.1 Configure One-by-One before Installation

If you want make multiple 1-to-1 connections and/or multiple 1-to-many (1:N) group connections in a single network through switches, you have to change all devices' IP addresses to be unique.

It is recommended that:

- You configure devices one by one as you encoder/decoder's Ethernet port and computer's LAN port via UTP cable. Run Mango on your computer, and;

- Change device's operation mode to "Manual", save ("Setting" button), and reboot ("Reboot" button);

- Install devices to the network.

Be sure that those devices for which you want to build connection are in 'Manual' mode. If the device is in 'Auto' mode, you have to change it to "Manual" mode, save ("Setting" button) and reboot ("Reboot" button).

6.8.2 1-to-1 (1:1) Session Build

1) Select a Tx device;

Drag and drop it into the left "1:1 Session" box, or click "Add" button on the left.

| | | | | | | and the second se | 01 III III |
|--|----------------------------------|---|---|--------------------|----------------------|---|---------------------------------------|
| X Devices 1 | | Sessions | | | | RX Devices 2 | |
| Mac 0024FC061F54 | Name IPH300E_1 Drag&Drop | 1:1 Session 0024FC061F54 IPH300E_1 | Con | nect | Add Delete | Mac 0024FC011234 0024FC123333 | Name IPH300D_1 IPH300D_8 |
| | | Group Sessions Group # 0 Mac | | Mac | Name | e | |
| | | | | | | | |
| | m • | < m Add Delete | Connect | < Disconne | m + ct Add Delete | • | |
|) Device Info Device ID | IPH300E | Add Delete Network Info MAC | Connect 0024FC061F5 | + Disconne | m , ct Add Delete | < | Search |
| Device Info Device ID Device Name QP GOP | IPH300E IPH300E_1 18 30 | Add Delete Network Info MAC IP Destination IP Gateway IP | Connect 0024FC061F5 192,168,0,101 192,168,0,201 192,168,0,1 | < Disconne 4 | m , ct Add Delete | (| Search Status Setting Beboot |

2) Select a Rx device;

Drag and drop it into the right '1:1 Session' box, or click 'Add' button on the right.

| X Devices 1 | | Sessions | | | | RX Devices 2 | |
|--|--|--|---|---------------------------------------|-------------------------------------|---------------------|---|
| Mac | Name | 1:1 Session | | - | | Mac | Name |
| 0024FC061F54 | I IPH300E_1 | 0024FC061F54 IPH300E_1 | Con | 0024FC12 IPH300D | Add Delete | 0024FC011234 | 1PH300D_1 1PH300D_8 |
| | | Group Sessions | | | | 11 71 | |
| | | Group # 0 Mac | | Mac | Name | | |
| | | | | | | | |
| e [| | د سر Add Delete | ¢ Connect | + Disconne | m , | - | |
| e Info | III | < m Add Delete Network Info | • Connect | * Disconne | m , t Add Delete | ۲. <u>س</u> | |
| Device ID | IPH300E | Add Delete Network Info MAC | Connect 0024FC12333 | + Disconne | m • ct Add Delete | 4 [| Search |
| e to the second se | IPH300E TPH300E_1 | Add Delete Network Info MAC IP | * Connect 0024FC12333 192,168,0,207 | × Disconne | m • ct Add Delete | * <u> </u> | Search Status |
| Toevice Info Device ID Device Name QP | TPH300E TPH300E_1 0 | Add Delete Network Info MAC IP Destination II | Connect 0024FC12333 192,168,0,207 192,168,0,101 | Disconne | m + ct Add Delete | (<u> </u> | Search Status Setting |
| Device Info Device ID Device Name QP GOP | TPH300E TPH300E_1 0 0 | < m Add Delete Network Info MAC IP Destination II Gateway IP | Connect 0024FC12333 192,168,0,207 192,168,0,107 192,168,0,1 | + Disconne | m , ct Add Delete | • <u> </u> | Search Status Setting Reboot |
| Device Info Device ID Device Name QP GOP Shaping | TPH300E TPH300E_1 0 0 none | Add Delete Network Info MAC IP Destination II Gateway IP IGMP IP | Connect 0024FC12333 192.168.0.207 192.168.0.107 192.168.0.1 192.168.0.1 0 | I I I I I I I I I I I I I I I I I I I | m , t Add Delete | • [| Search Status Setting Reboot |
| Device Info Device ID Device Name QP GOP Shaping Device Status | TPH300E TPH300E_1 0 0 none 0 0N @ 0FF | Add Delete Network Info MAC IP Destination II Gateway IP IGMP IP Sport | * Connect 0024FC12333 192,168,0,207 192,168,0,101 192,168,0,1 0 10000 | CDisconne | m) ct Add Delete USB Use Use | • [| Search Status Setting Reboot All Reboot |

3) Click the "Connect" button.

| X Devices 1 | | Sessions | | | | RX Devices 2 | |
|--|--|---|--|-------------------------|------------------------|---------------------------------------|---|
| Mac | Name | 1:1 Session | | | | Mac | Name |
| 0024FC061F54 | 4 IPH300E_1 | UU24FCU6IF54 IPH300E_1 * m Add Delete | Con | 0024FC123: IPH300D_8 | Add Delete | 0024FC011234 | IPH300D_1 IPH300D_8 |
| | | Group Sessions | | | | 1 | |
| | | Group # 0 | | Maa | Nome | | |
| | | | | | | | |
| 564T | | < m. Add Delete | Connect | * Disconnect | m, | | |
| • Device Info | ш ь | < m Add Delete Network Info | , Connect | < Disconnect | 111. • t Add Delete | ۲ <u> </u> | |
| e Device Info Device ID. | IPH300E | Add Delete Network Info MAC | , Connect 0024FC12333 | < Disconnect | m , | | Search |
| e Device Info Device ID Device Name | m + IPH300E IPH300E_1 | Add Delete Network Info MAC | , Connect 0024FC12333 192,168.0,207 | < Disconnect | m , k Add Delete | < | Search Status |
| Device Info Device ID Device Name QP | m • • • • • • • • • • • • • • • • • • • | Add Delete Network Info MAC IP Destination IP | Connect 0024FC12333 192,168,0,207 192,168,0,101 | < (Disconnect | m , | < | Search Status Setting |
| Evice Info Device Info Device ID Device Name QP GOP SU | III IIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII | < m Add Delete Network Info MAC IP Destination IP Gateway IP | , Connect 0024FC12333 192,168,0,207 192,168,0,101 192,168,0,1 | Disconnect | m , t Add Delete | < | Search Status Setting Reboot |
| Device Info Device ID Device Name QP GOP Shaping | IPHI300E IPHI300E_1 0 0 none | Add Delete Network Info MAC IP Destination IP Gateway IP IGMP IP | , Connect 0024FC12333 192,168,0,207 192,168,0,101 192,168,0,1 0 | < Disconnect | m , 1 Add Delete | | Search Status Setting Reboot |
| Device Info Device ID Device Name QP GOP Shaping Device Status | IPHI300E IPHI300E_1 0 0 none 0 ON @ OFF | <i>m</i> Add Delete Network Info MAC IP Destination IP Gateway IP IGMP IP Sport | , Connect 0024FC12333 192,168,0,207 192,168,0,107 192,168,0,1 0 10000 | < Disconnect | m , t Add Delete | · · · · · · · · · · · · · · · · · · · | Search Status Setting Reboot All Reboot |

4) If the session builds successfully, the device status becomes "ON" and status icon lights on green.

| X Devices I | | Sessions | | | | RX Devices 2 | |
|--|--|--|--|---------------------|-------------------------------------|---------------------------------------|---|
| Mac 0024FC061F54 | Name IPH300E_1 | 1:1 Session | | | | Mac 0024FC011234 0024FC123333 | Name IPH300D IPH300D |
| | | Add Delete | Con | nect | Add Delete | | |
| | | Group # 0 Mac | | Мас | Name | | |
| | | | | | | | |
| | III. • • | < m Add Delete | Connect | < Disconnec | t Add Delete | < | |
| Jevice Info | III | < m Add Delete Network Info | Connect | < Disconnec | m + t Add Delete | . <u> </u> | P utural L |
|) Device Info Device ID | IPH300D | Add Delete Network Info MAC | , Connect 0024FC12333 | < | m , t Add Delete | < | Search |
| Device Info Device ID Device Name | IPHI300D IPHI300D_8 | < m Add Delete Network Info MAC IP | Connect 0024FC12333 192,168.0.207 | < | m + t Add Delete | | Search Status |
| Device Info Device ID Device Name QP | IPH300D IPH300D_8 0 | Add Delete Network Info MAC IP Destination IP | Connect 0024FC12333 192,168,0,207 192,168,0,101 | < Disconnec | t Add Delete | < | Search Status Setting |
| Device Info Device ID Device Name QP GOP | m • • 1PH300D 1PH300D_8 0 0 0 | Add Delete Network Info MAC IP Destination IP Gateway IP | , Connect 0024FC12333 192.168.0.207 192.168.0.101 192.168.0.1 | < Disconnec 3 | t Add Delete | < | Search Status Setting Rebort |
| Device Info Device ID Device Name OP GOP Shaping | 11113000 11113000_8 0 0 none | Add Delete Network Info MAC IP Destination IP Gate way IP IGMP IP | Connect 0024FC12333 192.168.0.207 192.168.0.101 192.168.0.1 0 | Clisconnec 3 | t Add Delete | * | Search Status Setting Reboot |
| Device Info Device ID Device Name QP GOP Shaping Device Status | IPHI300D IPHI300D_8 0 0 none 0 ON @ OFF | Add Delete Network Info MAC IP Destination IP Gateway IP IGMP IP Soort | Connect 0024FC12333 192,168,0,207 192,168,0,10 192,168,0,1 0 10000 | CDisconnec 3 | m + t Add Delete USB Use Duse | · · · · · · · · · · · · · · · · · · · | Search Status Setting Reboot All Reboot |

5) You can check the 1:1 session status by clicking "Status" button, which pops up a following window.

| X Devices 1 | | Sessions | | | | RX Devic | es 2 | |
|--|---|--|--|---------------------|----------------------------------|--------------|--------------------|---|
| Mac | Name | 1:1 Session | | ŭ | | Mac | | Name |
| 0024FC061F54 | IPH300E_1 | Add Delete | Con | nect | Add Dele | 0024FC | C011234 C123333 | IPH300D_1 IPH300D_8 |
| | | Group Sessions | Group Sessions | | | | | |
| | | Group # 0 | | | | | | |
| | | Mac | Name | Mac | Name | | | |
| | | | | | | | | |
| | m. is | < m Add Delete | Connect | < | m t Add Dele | , le | 117 | |
|) Device Info | ш ь | < m Add Delete Network Info | , Connect | < Disconnec | m t Add Dele |) 12 (| m | |
| Device Info | IPH300D | Add Delete Network Info MAC | , Connect 0024FC123333 | < Disconnec | m t Add Dele | , te | | Search |
| Device Info Device ID Device Name | т ТРИЗООД ТРИЗООД_8 | Add Delete Network Info MAC | , Connect 0024FC123333 192,168.0,207 | V Disconnec | m t Add Dele |) [e] | | Search Status |
| e Device Info Device ID Device Name QP | TPH300D TPH300D_8 0 | Add Delete Network Info MAC IP Destination IP | Connect 0024FC123333 192.168.0.207 192.168.0.101 | < Disconnec 3 | m. t Add Dele |) le e | "" | Search Status Setting |
| Device Info Device ID Device Name QP GOP | TPH300D TPH300D_8 0 0 | Add Delete Network Info MAC IP Destination IP Gateway IP | , Connect 0024FC123333 192,168,0,207 192,168,0,101 192,168,0,1 | Disconnec | m t Add Dele | » te | | Search Status Setting Reboot |
| Device Info Device ID Device Name QP GOP Shaping | IPH300D IPH300D_8 0 0 none | Madd Delete Network Info MAC IP Destination IP Gateway IP IGMP IP | * Connect 0024FC123333 192.168.0.207 192.168.0.101 192.168.0.1 0 | CDisconnec 3 | m t Add Dele |) 10 4 | | Search Status Setting Reboot |
| Device Info Device ID Device Name QP GOP Shaping Device Status | IPH300D IPH300D_8 0 0 0 0 0 0 0 0 0 0 0 0 0 | Madd Delete Network Info MAC IP Destination IP Gateway IP IGMP IP Sport | * Connect 0024FC12333 192.168.0.207 192.168.0.101 192.168.0.1 0 10000 | CDisconnec 3 | m t Add Dele USB Use I Use |) 19 4 | " | Search Status Setting Reboot All Reboot |

Full HD HDMI over IP Extender

| :1 Session 'x Devices | | Rx Devices | |
|--------------------------|-----------|--------------|-----------|
| MAC | Name | MAC | Name |
| 0024FC061F54 | IPH300E_1 | 0024FC123333 | IPH300D_8 |
| | | | |
| | | | |

6.8.3 1-to-1 (1:1) Session Disconnect

1) Select a Tx device;

Drag and drop it into the left "1:1 Session" box, or click "Add" button on the left.

Then, automatically the counterpart Rx device is shown on the right box.

| X Devices 1 | | Sessions | | | | RX Devices 2 | |
|--|--|--|---|-------------------------|------------------------------------|------------------------------|---|
| Mac | Name | 1:1 Session | | | | Mac | Name |
| 0024FC061F54 | IPH300E_1 Drag&Drop | 0024FC061F54 IPH300E_1 | | 0024FC1233 IPH300D_8 | 333 | 0024FC011234 0024FC123333 | 1PH300D_1 1PH300D_8 |
| | | Add Delete | Disco | nnect | Add Delete | | |
| | | Group Sessions | | | | - | |
| | | Group # 0 | 2 * | 140 | T . Newson Co. | | |
| | | mdt | wallie | Mac | Name | | |
| | | | | | | | |
| | ш | < m Add Delete | Connect | < Disconnec | m , t Add Delete | < | |
| Device Info | Ш | < m Add Delete Network Info | Connect | < Disconnec | m + t Add Delete | | Description |
| Device Info | ш | Add Delete Network Info MAC | , Connect 0024FC061F5 | < Disconnec | m , t Add Delete | | Search |
| Device Info Device ID. Device Name | m • • • • • • • • • • • • • • • • • • • | Add Delete Network Info MAC IP | , Connect 0024FC061F5 192,168,0,101 | Disconnec | t Add Delete | (| Search Status |
| Device Info Device ID Device Name QP | m • • • • • • • • • • • • • • • • • • • | Add Delete Network Info MAC IP Destination IP | Connect 0024FC061F5 192,168,0,101 192,168,0,207 | < Disconnect | m , t Add Delete | | Search Status Setting |
| Device Info Device ID Device Name QP GOP | m + IPH300E IPH300E_1 18 30 | Add Delete Network Info MAC IP Destination IP Gateway IP | Connect 0024FC061F5 192,168,0,101 192,168,0,207 192,168,0,1 | Oisconnec | m , t Add Delete | (| Search Status Setting Beboot |
| Device Info Device ID Device Name OP GOP Shaping | m + IPH300E IPH300E_1 18 30 none | Madd Delete Network Info MAC IP Destination IP Gate way IP IGMP IP | Connect 0024FC061F5 192,168,0,101 192,168,0,207 192,168,0,1 0 | < Disconnec 4 | IISB IIse II Use | (| Search Status Setting Reboot |
| Device Info Device ID Device Name OP GOP Shaping Device Status | IPH300E IPH300E_1 18 30 none © ON © OFF | Matche Matche Mat | Connect 0024FC061F5 192.168.0.101 192.168.0.207 192.168.0.1 0 10000 | 4 | m , t Add Delete USB Use Use | () () () | Search Status Setting Reboot All Reboot |

Note: You can first select the Rx device before Tx selection, and drag it to the right 1:1 Session box or click "Add" button on the right. Then, the counterpart Tx device is listed in the left 1:1 Session box automatically.

| X Devices 1 | | Sessions | | | | RX Devices 2 | |
|--|--|---|---|-----------------|-------------------|---------------------------------------|---|
| Mac 0024FC061F54 | Name IPH300E_1 | 1: Session 0024FC061F54 1PH300E_1 + m Add Delete Group Sessions Group # 0 | 0024FC061F54 0024FC123333 IPH300E_1 IPH300D_8 | | Add Delete | Mac 0024FC011234 0024FC123333 | Name 11234 IPH300D_1 23333 IPH300D_8 |
| | | | | | | | |
| | | < ۳ | | < | III. J | 2 | |
| 1 | ш в | < m Add Delete | , Connect | < Disconnect | m , | e | |
|) Device Info Device ID | III • • | Add Delete Network Info | Connect 0024FC061FE | < Disconnect | m , Add Delete | • | Search |
|) Device Info Device ID Device Name | IPH300E TPH300E 1 | Add Delete Network Info MAC IP | Connect 0024FC061F5 192,168,0,101 | < Disconnect | m + | × | Search |
| e Device Info Device ID Device Name QP | m + 1PH300E 1PH300E_1 18 | Add Delete Network Info MAC IP Destination IP | Connect 0024FC061F5 192,168,0,101 192,168,0,207 | < Disconnect | m + | × | Search Status Settion |
| < Device Info Device ID Device Name QP GOP | IPH300E 1PH300E_1 18 30 | Add Delete Network Info MAC IP Destination IP | Connect 0024FC061F5 192,168,0,101 192,168,0,201 192,168,0,201 | 4 | m , Add Delete | × | Search Status Setting |
| < Device Info Device ID Device Name QP GOP Shaping | IPH300E IPH300E_1 18 30 none | Add Delete Network Info MAC IP Destination IP Gateway IP Gateway IP | Connect 0024FC061F5 192,168,0,101 192,168,0,207 192,168,0,1 | < Disconnect | m , Add Delete | • <u> </u> | Search Status Setting Reboot |
| Device Info Device ID Device Name QP GOP Shaping Device Status | m + TPH300E_1 18 30 none © ON © OFF | Add Delete Network Info MAC IP Destination IP Gateway IP IGMP IP | Connect 0024FC061F5 192,168,0,101 192,168,0,203 192,168,0,1 0 10000 | 4 | M Delete | • • • • • • • • • • • • • • • • • • • | Search Status Setting Reboot All Reboot |

3) If the session disconnects successfully, the device status changes to "OFF" and the device status icon light off as gray.

| A DEfices I | | Sessions | | | | RX Devices 2 | |
|---|--|--|---|----------------|---------------------|-------------------------------------|---------------------------------------|
| vlac 0024FC061F54 | Name IPH300E_1 | 1:1 Session | | | | Mac 0024FC011234 0024FC123333 | Name IPH300D_1 IPH300D_8 |
| | | Add Delete Group Sessions | Con | nect | Add Delete | | |
| | | Group # U Mac | | Мас | Name | 2 | |
| | | | | | | | |
| | m • | < m Add Delete | , Connect | * Disconnec | m + t Add Delete | · | |
| levice Info | <u>III</u> | < m Add Delete Network Info | , Connect | < Disconnec | t Add Delete | | Densel |
|) Device Info Device ID | ш , | Add Delete Network Info MAC | Connect 0024FC061F5 | 4 Disconnec | t Add Delete | · [| Search |
|)evice Info Device ID Device Name | IPH300E_1 | MAd Delete Network Info MAC IP | Connect 0024FC061F5 192,168,0,101 | < Disconnec | t Add Delete | ((| Search Status |
| Device Info Device ID Device Name QP | TPH300E 1PH300E_1 18 | Mad Delete Network Info MAC IP Destination IP | , Connect 0024FC061F5 192, 168,0, 101 192, 168,0, 207 | < | t Add Delete | (((| Search Status Setting |
| Device Info Device ID Device Name QP GOP | TPH300E 1PH300E_1 18 30 DDDP | Mad Delete Network Info MAC IP Destination IP Gateway IP | Connect 0024FC061F5 192.168.0.101 192.168.0.207 192.168.0.1 | V Disconnec | t Add Delete | ((((| Search Status Setting Reboot |
| Device Info Device ID Device Name QP GOP Shaping | IPH300E IPH300E_1 18 30 none | Mad Delete Network Info MAC IP Destination IP Gateway IP IGMP IP | , Connect 0024FC061F5 192,168,0,101 192,168,0,207 192,168,0,1 0 | 4 | t Add Delete | (((((| Search Status Setting Reboot |

6.8.4 1-to-Many (1: N) Session Connection (Grouping)

Up to 10 groups (sessions) can be built.

1) Select a group #: 0~9 in this example, group 0 is selected.

| X Devices 1 | | Sessions | | | | RX Devices 2 | |
|---|--|--|---|-----------------|------------------------|------------------------------|---|
| Mac | Name | 1:1 Session | | - | | Mac | Name |
| 0024FC061F54 | 4 IPH300E_1 | Add Delete | Con | nect | Add Delete | 0024FC011234 0024FC123333 | IPH300D_1 IPH300D_8 |
| | | Group # | | | | | |
| | | Mac | Name | Mac | Name | | |
| | | | | | | | |
| | m | < m Add Delete | Connect | * Disconnee | m , ot Add Delete | < | |
| Device Info | III | < m Add Delete Network Info | ¢ Connect | < Disconner | m , ct Add Delete | × | |
| Jevice Info | III. + | Add Delete Network Info MAC | Connect 0024FC061F5 | < Disconnect | m , | | Search |
| Device Info Device ID Device Name | m • • • • • • • • • • • • • • • • • • • | Add Delete Network Info MAC | Connect 0024FC061F5 192,168,0,101 | < Disconnec | m , ct Add Delete | | Search Status |
| Device Info Device ID Device Name QP | IPHI300E IPHI300E_1 18 | Add Delete Network Info MAC IP Destination IP | Connect 0024FC061F5 192,168,0,101 192,168,0,207 | < Disconner | m , ot Add Delete | · | Search Status Setting |
| Device Info Device ID Device Name QP GOP | IPH300E IPH300E_1 18 30 | < m Add Delete Network Info MAC IP Destination IP Gateway IP | , Connect 0024FC061F5 192,168,0,101 192,168,0,207 192,168,0,1 | Disconner | m • ct Add Delete | < | Search Status Setting Reboot |
| Device Info Device ID Device Name QP GOP Shaping | IPH300E IPH300E_1 18 30 none | Mac IP Destination IP Gate way IP IGMP IP | Connect 0024FC061F5 192,168,0,101 192,168,0,207 192,168,0,1 0 | 4 | m , t ct Add Delete | × | Search Status Setting Reboot |
| e Device Info Device ID Device Name QP GOP Shaping Device Status | IPH300E IPH300E_1 18 30 none ③ ON . OFF | < m Add Delete Network Info MAC IP Destination IP Gate way IP IGMP IP Sport | Connect 0024FC061F5 192,168,0,101 192,168,0,207 192,168,0,1 0 10000 | 4 | m , ct Add Delete | × | Search Status Setting Reboot All Reboot |

2) Select a Tx device, drag and drop it into the left Group Sessions box, or click "Add" button on the left.

| X Devices I | 5 | Sessions | | | | RX Devices 2 | |
|--|---|--|---|---------------------|------------------------|-------------------------------------|---|
| Mac 0024FC061F54 Dr | Name IPH300E_1 ag&Drop | 1:1 Session | | | | Mac 0024FC011234 0024FC123333 | Name IPH300D_1 IPH300D_8 |
| | | Add Delete Group Sessions Group # 0 Mac | _ Con ▼ Name | Mac | Add Delete | | |
| | | | | | | | |
| | | < m | Connect | * | m , , | | |
| 1 Junio Jak | ш | < m Add Delete | Connect | * Disconner | m , , ot Add Delete | ۰ <u>ا</u> | |
| Device Info | ш, , ,, , ,, , ,, | Add Delete Network Info Mac | Connect 0024FC061F5 | < Disconnec | m + ct Add Delete | < | Search |
| Device Info Device ID Device Name | m + IPH300E | K MAC IP | Connect 0024FC061F5 192,168.0,101 | + Disconnec | m , ct Add Delete | < [<u> </u> | Search Status |
| Device Info Device ID Device Name QP | IPH300E IPH300E_1 18 | MAC IP Destination IP | Connect 0024FC061F5 192,168,0,101 192,168,0,207 | 4 | m , ct Add Delete | < | Search Status Setting |
| Device Info Device ID Device Name QP GOP | IPH300E IPH300E_1 18 30 | W MAC IP Destination IP Gateway IP | Connect 0024FC061F5 192,168,0,101 192,168,0,203 192,168,0,1 | K Disconned | m , ot Add Delete | | Search Status Setting Beboot |
| Device Info Device ID Device Name QP GOP Shaping | IPH300E IPH300E_1 18 30 none | T Add Delete Network Info MAC IP Destination IP Gateway IP IGMP IP | Connect 0024FC061F5 192, 168,0,100 192, 168,0,200 192, 168,0,1 0 | < Disconner 4 | m , | < | Search Status Setting Reboot |
| Device Info Device ID Device Name QP GOP Shaping Device Status | IPH300E IPH300E_1 18 30 none O ON © OFF | T Add Delete Network Info MAC IP Destination IP Gateway IP IGMP IP Sport | Connect 0024FC061F5 192,168,0,100 192,168,0,200 192,168,0,1 0 10000 | 4 | m , t Add Delete | < | Search Status Setting Reboot All Reboot |

3) Select an Rx device, drag and drop it into the right Group Sessions box, or click "Add" button on the right.

| X Devices 1 | | Sessions | | | | RX Devices 2 | RX Devices 2 | |
|--|--|--|---|----------------|---|--------------|--|--|
| Mac | Name | 1:1 Session | | | | Mac | Name | |
| 0024FC061F5 | 4 IPH300E_1 | Add Delete | Con | nect | Add Delete | Drag&Dro | 234 IPH300D_1 133 IPH300D_8 P | |
| | | Group Sessions Group # 0 | Group Sessions | | | | | |
| | | Mac | Name | Mac | Name | | | |
| | | | | | | | | |
| * | III. J | < m Add Delete | , Connect | < Disconner | m , st Add Delete | | m | |
| * Device Info | III | < m Add Delete Network Info | , Connect | < Disconner | m , , , , , , , , , , , , , , , , , , , | | m | |
| Device Info | III + | Add Delete Network Info MAC | , Connect 0024FC12333 | Disconner | m , , , , , , , , , , , , , , , , , , , | | m Search | |
| e Device Info Device ID Device Name | IPH300D IPH300D 8 | Add Delete Network Info MAC IP | Connect 0024FC12333 192,168,0,20 | Disconner | m , , , , , , , , , , , , , , , , , , , | | m Search Status | |
| Device Info Device ID Device Name QP | m • • 1PH300D 1PH300D_8 0 | Add Delete Network Info MAC IP Destination IP | Connect 0024FC12333 192,168,0,207 192,168,0,10 | IS T | m • • st Add Delete | | m Search Status Setting | |
| Device Info Device ID Device Name QP GOP | m • • • • • • • • • • • • • • • • • • • | Add Delete Network Info MAC IP Destination IP Gateway IP | Connect 0024FC12333 192,168,0,20 192,168,0,10 192,168,0,1 | Disconnec | m • • st Add Delete | | m Search Status Setting Bahast | |
| Device Info Device ID Device Name QP GOP Shaping | IPH300D IPH300D_8 0 0 none | Add Delete Network Info MAC IP Destination IP Gateway IP IGMP IP | Connect 0024FC12333 192,168,0,20 192,168,0,10 192,168,0,1 0 | < | m , t Add Delete | | m Search Status Setting Reboot | |
| Device Info Device ID Device Name QP GOP Shaping Device Status | IPH300D IPH300D_8 0 0 none 0 ON @ OFF | Add Delete Network Info MAC IP Destination IP Gateway IP IGMP IP Sport | Connect 0024FC12333 192,168,0,20 192,168,0,10 192,168,0,1 0 10000 | < | m • • t Add Delete USB Use Use | | m Search Status Setting Reboot All Reboot | |

4) Check a Tx and Rx devices, and click "Connect" button. Be sure that all the devices are in "Manual" mode.

| X Devices 1 | | Sessions | | | | RX Devices 2 | |
|---|--|---|--|--------------|--|--------------|---|
| Mac | Name | 1:1 Session | | - | | Mac | Name |
| 0024FC06IF54 IPH300R_1 | | Add Delete Group Sessions | Con | nect | Add Delete | 0024FC011234 | IPH300D_1 IPH300D_8 |
| | | Group # 0 | * | - | h-more a | | |
| | | 0024FC061F54 | IPH300E_1 | Mac | C011234 IPH300D_1 C123333 IPH300D_8 | | |
| | | <m Add Delete</m | Connect | < Disconnect | m , Add Delete | 4W | |
| (<u> </u> | • | | | | | | |
| rm Device Info | + PH300D | Network Info | 0024FC12333 | 3 | | | Search |
| (m Device Info Device ID Device Name _ I | PH300D PH300D_8 | Network Info MAC | 0024FC12333 | 3 | | | Search Status |
| Cevice Info Device ID Device ID Device Name I QP I | PH300D PH300D_8 | Network Info MAC IP Destination IP | 0024FC 12333 192, 168, 0, 207 192, 168, 0, 101 | 3 | | | Search Status Setting |
| e m Device Info Device ID Device Name QP GOP | PH300D PH300D_8 J | Network Info MAC IP Destination IP Gateway IP | 0024FC12333 192, 168, 0, 207 192, 168, 0, 101 192, 168, 0, 1 | 3 | | | Search Status Setting Reboot |
| Device Info Device Info Device ID Device Name I QP I GOP I Shaping | PH300D PH300D_8)) ione | Network Info MAC IP Destination IP Gateway IP IGMP IP | 0024FC12333 192, 168, 0, 207 192, 168, 0, 101 192, 168, 0, 1 0 | 3 | ISB Use 📄 Use | | Search Status Setting Reboot |
| Device Info Device Info Device ID Device Name I GOP Shaping Device Status OP Mode | PH300D PH300D_8)) 10ne ON © OFF O Auto © Mai | Network Info MAC IP Destination IP Gateway IP IGMP IP Sport | 0024FC123333 192, 168, 0, 207 192, 168, 0, 101 192, 168, 0, 101 0 10000 | 3 | ISB Use 📄 Use irmware | | Search Status Setting Reboot All Reboot |

5) The following picture shows the session connects successfully. Those device statuses turns to "ON" and status icons light on green.

| IX Devices 1 Sess | | Sessions | | | RX Devices 2 | |
|--------------------------|-------------------|--|--------------|-------------------|---------------------|-------------------|
| Mac 0024FC061F54 | Name IPH300E_1 | 1:1 Session | | | Mac | Name IPH300D_1 |
| | | Add Delete Group Sessions Group # 0 Mac 0024FC061F54 | Connect | Add Delet | | |
| | | « [] | , . | m, | • | |
| 1 | n | Add Delete | Connect Disc | connect Add Delet | 8 | |
| Device Info Device ID | 1 | Network Info MAC IP | 0 | | | Search |
| Device Name QP GOP | | Destination IP | | | Į | Setting |

6.8.5 Add a Rx Device to a Group Session

While the 1: N session is alive, you can add an Rx device to this session (group).

1) Select the group to which you want to add the Rx device.

| X Devices 1 | | Sessions | | | | RX Devices 2 | |
|---|-----------|--|--------------|---------------|--------------------------------------|--------------|---|
| Mac | Name | 1:1 Session | | | | Mac | Name |
| 0024FC061F54 | IPH300E_1 | Add Delete | Con | nect | Add Delete | 0024FC011234 | IPH300D_1 IPH300D_8 |
| | | Group Sessions | _ | | | 5 | |
| | | Group # 0 | ··· | . Karaja | NUCCO | s. | |
| | | 0024FC061F54 | IPH300E_1 | 002 | 4FC011234 IPH300D_1 | | |
| | | | | | | | |
| | | < m Add Delete | Connect | | m , | | |
| ۲ میں ۲۰۰۰ Device Info | | < m Add Delete Network Info | , Connect | < Disconne | m + ct Add Delete | < | |
| Device ID | • | Add Delete Network Info MAC | , Connect | < Disconne | t Add Delete | < | Search |
| nm Device Info Device ID Device Name | | Add Delete Network Info MAC IP | Connect | + Disconne | m , , ct Add Delete | - <u> </u> | Search Status |
| m Device Info Device ID Device Name OP Cool | * | Add Delete Network Info MAC IP Destination IP | Connect | (Disconne | m • ct Add Delete | • <u> </u> | Search Status Setting |
| e m Device Info Device ID Device Name OP GOP Shaping | , none | Add Delete Network Info MAC IP Destination IP Gateway IP | , Connect | < Disconne | m , ct Add Delete | • | Search Status Setting Reboot |
| e m Device Info Device ID Device Name OP GOP Shaping Device Status | none | Add Delete Network Info MAC IP Destination IP Gateway IP IGMP IP | , Connect | < Disconne | m. , ct Add Delete USB Use Use | • | Search Status Setting Reboot All Reboot |

2) Select the Rx device in the Rx Devices box on the right, and drag & drop it into the right box in the Group Sessions, or you can click "Add" button on the right below Group Sessions boxes.

| A Devices T | | Sessions | | | RX Devices 2 | |
|--|--|---|--|--|---|---|
| Mac | Name | 1:1 Session | ŭ | | Mac | Name |
| 0024FC061F54 | IPH300E_1 | | | | 0024FC011234 0024FC123833 Drag&Drop | IPH300D_1 IPH300D_8 |
| | | Add Delete | Connect | Add Delete | 14 7 1 | |
| | | Group # 0 | | | 0 | |
| | | Mac | Name Mac IPH300E_1 | Name 1024FC011234 IPH300D 1 1024FC123333 IPH300D_8 | | |
| | | | | | | |
| | | * | | m | | |
| · | • | < m Add Delete | Connect Disco | m , | < | |
| e I <u>m</u> Device Info | · · · · · · | Add Delete Network Info | Connect Disco | m , | | Ormak |
| r I m Device Info Device ID | F IPH300D | Add Delete Network Info MAC | , < Connect Discor | m + nnect Add Delete | × | Search |
| r I m Device Info Device ID Device Name | TPH300D 1PH300D_8 | Add Delete Network Info MAC IP | Connect Disco 0024FC123333 192,168,0,207 | m , | · | Search Status |
| • Device Info Device ID Device Name QP | IPH300D_8 0. | Add Delete Network Info MAC IP Destination IP | , « Connect Discor 0024FC123333 192,168,0,207 192,168,0,101 | m , | | Search Status Setting |
| Pevice Info Device ID Device Name OP GOP | TPH300D 1PH300D_8 0 0 0 | Add Delete Network Info MAC IP Destination IP Gateway IP | , « Connect Discor 0024FC123333 192,168,0,207 192,168,0,101 192,168,0,1 | m , | | Search Status Setting Baboet |
| Device Info Device ID Device Name OP GOP Shaping | TPH300D TPH300D_8 0 0 0 none | Add Delete Network Info MAC IP Destination IP Gate way IP IGMP IP | | m , | | Search Status Setting Reboot |
| Device Info Device ID Device Name OP GOP Shaping Device Status | TPH300D TPH300D_8 0 0 none 0 ON © OFF | Add Delete Network Info MAC IP Destination IP Gateway IP IGMP IP Snort | • • • • • • • • • • • • • • • • • | m → nnect Add Delete | · · · · · · · · · · · · · · · · · · · | Search Status Setting Reboot All Reboot |

3) Check the Rx device, and then click the "Connect" button. You can check several Rx devices concurrently, connect ("Connect" button) to add them too.

| A Devices 1 | | Sessions | | | | RX Devices 2 | |
|---|--|---|---|-------------------------|--|--|---|
| Mac | Name | 1:1 Session | | | | Mac | Name |
| 0024FC061F54 | IPH300E_1 | Add Delete Group Sessions Group # 0 | Conne | act | Add Delete | 0024FC011234 0024FC123333 | IPH300D_1 IPH300D_8 |
| | | Mac | Name IPH300E_1 | Mac 0024FC 0024FC | Name 011234 IPH300D_1 123333 IPH300D_8 | | |
| | | < <u> </u> | , | 4 | 111 | | |
| • 1 | m | < m Add Delete | Connect | Disconnect | m • | * [| |
| * | II + | Add Delete Network Info | Connect | < Disconnect) | m , Add Delete | | |
| Vice Info Device ID | IPH300D | Add Delete Network Info MAC | Connect 0024FC123333 | < Disconnect | m • • • • • • • • • • • • • • • • • • • | | Search |
| Device Info Device ID Device Name | IPH300D IPH300D_8 | Add Delete Network Info MAC IP | Connect 0024FC123333 192,168,0,207 | < | m • • Add Delete | * <u> </u> | Search Status |
| Device Info Device ID Device Name QP | TPH3000 TPH3000_8 0 | Add Delete Network Info MAC IP Destination IP | 0024FC123333 192,168,0,207 192,168,0,101 | < Disconnect | m • • • Add Delete | * <u> </u> | Search Status Setting |
| Device Info Device ID Device Name QP GOP | TPH300D TPH300D_8 0 0 | Add Delete Network Info MAC IP Destination IP Getemon IP | 0024FC123333 192,168,0,207 192,168,0,101 192,168,0,1 | < Disconnect | m Add Delete | * <u></u> | Search Status Setting |
| Device Info Device ID Device Name QP GOP Shaping | TPH3000 TPH3000_8 0 0 0 0 | Add Delete Network Info MAC IP Destination IP Gateway IP Tick Value | Connect 0024FC12333 192,168,0,207 192,168,0,10 192,168,0,1 0 | < Disconnect | M. Add Delete | ((((| Search Status Setting Reboot |
| Device Info Device Info Device ID Device Name OP GOP Shaping Device Status | TPH3000 TPH3000_8 0 0 none 0 ON @ OFF | Add Delete Network Info MAC IP Destination IP Gateway IP IGMP IP | Connect 0024FC123333 192,168,0,207 192,168,0,101 192,168,0,1 0 | < Disconnect | M Delete | (((((((((((((((()))))))) | Search Status Setting Reboot All Reboot |

4) When the session connects successfully, the device status turns to "ON" and status icon lights on green.

| X Devices 1 | | Sessions | | | | RX Devices 2 | |
|---|---------------------|---|---------------------------|----------------|--|---------------------------------------|---|
| Mac 0024FC061F54 | Name 4 IPH300E_1 | 1:1 Session | | Ĭ | | Mac 0024FC011234 0024EC123333 | Name IPH300D_1 IPH300D_8 |
| | | Add Delete Group Sessions Group # 0 Mac 0024FC061F54 | Con Name IPII300E_1 | Mac 0024 | Add Delete Name FC011234 IPH300D_1 FC123333 IPH300D_8 | | |
| | 117 1 4 | < III Add Delete | , Connect | < Disconner | t Add Delete | 4 | |
| r | m | < m Add Delete Network Info | Connect | + Disconner | m , st Add Delete | « | Search |
| Device Info Device ID | ш] ь | Add Delete Network Info MAC | , Connect | * Disconned | m + st Add Delete | × | Search |
| Device Info Device ID Device Name | III | Add Delete Network Info MAC | Connect | < Disconner | m + t Add Delete | · | Search Status |
| Device Info Device ID Device Name QP | m | Add Delete Network Info MAC IP Destination IP | Connect | + Disconnet | m + t Add Delete | · | Search Status Setting |
| Device Info Device ID Device Name QP GOP Shaping | m • | Add Delete Network Info MAC IP Destination IP Gateway IP | Connect | < Disconner | m + :t Add Delete | · · · · · · · · · · · · · · · · · · · | Search Status Setting Reboot |
| Device Info Device ID Device Name OP GOP Shaping Device Status | m · · · | Add Delete Network Info MAC IP Destination IP Gateway IP IGMP IP | Connect | < Disconnes | m + t Add Delete USB Use Use | · · · · · · · · · · · · · · · · · · · | Search Status Setting Reboot All Reboot |
| Device Info Device ID Device Name QP GOP Shaping Device Status OP Mode | none ON OFF | Add Delete Network Info MAC IP Destination IP Gateway IP IGMP IP Sport | Connect | < Disconnes | m + t Add Delete USB Use Use Firmware | · · · · · · · · · · · · · · · · · · · | Search Status Setting Reboot All Reboot |

6.8.6 Changing Tx Device While 1: N Session Is Alive

You can change the Tx device in 1-to-N session.

1) Select the group session for which you want to change Tx device.

| X Devices 2 | | Sessions | | RX Dev | ices 2 |
|--------------------------------------|--------------------------------|--|--------------------|---|--|
| vlac 0024FC061C3B 0024FC061F54 | Name IPH300E_2 IPH300E_1 | 1:1 Session | | Mac 0024 | Name FC011234 IPH300D_1 FC123333 IPH300D_8 |
| | | Add Delete Group ≴ 0 Mac Nat 0024FC061F54 1Pi | Connect | Add Delete Name 234 IPII300D 1 3333 IPII300D_8 | |
| - [| | < m Add Delete | Connect Disconnect | M , Add Delete , | m |
| Device Info Device ID | | Network Info MAC | | | Search |
| Device Name QP GOP | | IP Destination IP Gateway IP | | | Setting |
| | ione | • IGMP IP 0 | USB | Use 🕅 Use | All Behoot |

2) Select a new Tx device in the Tx Devices box, drag and drop it into the left Group Sessions box, or click "Add" button on the left below Group Sessions box.

| X Devices 2 | | Sessions | | | RX Devices 2 | |
|--|--|--|--|--|--------------|---|
| Mac | Name | 1:1 Session | ŭ | | Mac | Name |
| 0024FC061C31 0024FC061F54 0rag&Drop | IPH300E_2 IPH300E_1 | Add Delete Group Sessions Group # 0 Mac 0024FC051F54 0024FC061C | Connect Name IPHISODE 1 IPHISODE 2 0024 0024 | Add Delete Name FC011234 IPHI300D_1 FC123333 IPHI300D_8 | 0024FC123333 | IPH300D_1 IPH300D_8 |
| | | | | | | |
| 1 | п • | < m Add Delete |) « Connect Disconnec | m , t Add Delete | s | |
| e | m | Add Delete Network Info | Connect Disconnec | m , t Add Delete | | Search |
| e Device Info Device ID | IPH300E | Add Delete Network Info MAC | Connect Disconnect 0024FC061C38 | m , t Add Delete | | Search |
| e Device Info Device ID Device Name | IPII300E 1PII300E_2 | Add Delete Network Info MAC IP | , « Connect Disconnect 0024FC061C38 192,168,0,248 | m , t Add Delete | · | Search Status |
| Pevice Info Device ID Device Name QP | IPH300E IPH300E_2 18 | Add Delete Network Info MAC IP Destination IP | , < Connect Disconner 0024FC061C38 192,168,0,248 192,168,0,103 | m , st Add Delete | | Search Status Setting |
| Pevice Info Device ID Device Name QP GOP | TPII300E TPII300E_2 18 30 | Add Delete Network Info MAC IP Destination IP Gateway IP | , Connect Disconner 0024FC061C38 192,168,0,248 192,168,0,103 192,168,0,1 | m , st Add Delete | | Search Status Setting Reboot |
| e Device Info Device ID Device Name QP GOP Shaping | IPH300E 1PH300E_2 18 30 none | Add Delete Network Info MAC IP Destination IP Gate way IP IGMP IP | | m , , , , , , , , , , , , , , , , , , , | × | Search Status Setting Reboot |
| Contraction of the second seco | TPII300E TPII300E_2 18 30 none • ON @ OFF | Add Delete Network Info MAC IP Destination IP Gateway IP IGMP IP Soort | Connect Disconnect Disconnect Disconnect 192,168,0,248 192,168,0,103 192,168,0,1 1 | m , , , , , , , , , , , , , , , , , , , | < | Search Status Setting Reboot All Reboot |

3) Check the newly added Tx device, and click "Connect" button.

| X Devices 2 | | Sessions | | | | | RX Devices 2 | |
|--|---|--|---|-----------------|----------------------------|------------|--------------|---|
| Mac | Name | 1:1 Session | | r | | | Mac | Name |
| 0024FC061C3E 0024FC061F54 | ³ IPH300E_2 IPH300E_1 | Add Delete Group Sessions | Conn | ect) | Add De | elete | 0024FC011234 | IPH300D_1 IPH300D_8 |
| | | Group # 0 | | | | | | |
| | | Mar | Name | Mac | Name | | | |
| | | 0024FC061C | IPH300E_2 | 0024FC1 | 23333 IPH300D | -8 | | |
| | | * []]] (A44] [Doltan | | < | 111 | • | | |
| • | n ¥ | < m Add Delete | Connect | < Disconnect | III Add De |) blete | ۲ <u>ا</u> | |
| • Device Info | п Р | < m Add Delete Network Info | Connect | * Disconnect | m Add De |) elete | ۲ <u>س</u> | Search |
| e Device Info Device ID | TPH300E | Add Delete Network Info MAC | Connect 0024FC061C38 | < Disconnect | m Add De |) slete | 4 <u> </u> | Search |
| Device Info Device ID Device Name OP | n ► TPH300E TPH300E_2 18 | Add Delete Network Info MAC IP | Connect 0024FC061C38 192.168.0,248 | < Disconnect | m Add De | , | <u>د ا</u> | Search Status |
| Device Info Device ID Device Name QP GOD | n ► TPH300E TPH300E_2 18 30 | Add Delete Network Info MAC IP Destination IP | Connect 0024FC061C30 192,168,0,248 192,168,0,103 | Disconnect | m. Add De |) elete | <u>د ا</u> س | Search Status Setting |
| Device Info Device ID Device Name QP GOP Shaping | n FH300E 1PH300E_2 18 30 none | Add Delete Network Info MAC IP Destination IP Gateway IP | Connect 0024FC061C30 192,168,0,248 192,168,0,103 192,168,0,1 | Disconnect | m. Add De | łete | <u>د</u> | Search Status Setting Reboot |
| Device Info Device ID Device Name QP GOP Shaping | TPH300E IPH300E_2 18 30 none | < m Add Delete Network Info MAC IP Destination IP Gateway IP IGMP IP | Connect 0024FC061C38 192,168,0,248 192,168,0,103 192,168,0,1 1 | Disconnect | III. Add De | + slete | <u>د [</u> | Search Status Setting Reboot |
| Device Info Device ID Device Name QP GOP Shaping Device Status | TPH300E TPH300E 1PH300E_2 18 30 none ON © OFF | Add Delete Network Info MAC IP Destination IP Gateway IP IGMP IP Sport | Connect 0024FC061C38 192,168,0,248 192,168,0,103 192,168,0,1 1 1 10000 | < | m Add De B Use 🗖 Use |) elete | x | Search Status Setting Reboot All Reboot |

4) If the session successfully connects, you can see that Tx device has changed to a new one.

| X Devices 2 | | Sessions | | | | RX Devices 2 | |
|--|------------------------|--|---------------------------------------|----------------|---|----------------------------------|---|
| Mac | Name | 1:1 Session | | ŭ | | Mac | Name |
| 0024FC061C3B 0024FC061F54 | IPH300E_2 IPH300E_1 | Add Delete Group Sessions Group # 0 Mac 0024FC061C 0024FC061F54 | Con Name IPH300E_2 IPH300E_1 | Mac 0024F | Add Delete Name C011234 1PH300D_1 C12333 1PH300D 8 | 0024FC123333 | IPH300D_1 IPH300D_8 |
| | | | | | | | |
| •III | , | < m Add Delete | Connect | < Disconnec | t Add Delete | < | |
| ۲ است Device Info | • | < m Add Delete Network Info | , Connect | < Disconnec | m , t Add Delete | < | Search |
| n m Device Info Device ID | • | Add Delete Network Info MAC | Connect | < Disconnec | m + t Add Delete | *m | Search |
| V The second sec | | < m Add Delete Network Info MAC IP | Connect | < | m , t Add Delete | <m [</m | Search |
| r m Device Info Device ID Device Name QP | | Add Delete Network Info MAC IP Destination IP | Connect | < | m + t Add Delete | ×m [| Search Status Setting |
| e m Device Info Device ID Device Name OP GOP | inne interested | Mad Delete Network Info MAC IP Destination IP Gateway IP | Connect | < | m + t Add Delete | * <u> </u> | Search Status Setting Reboot |
| e m Device Info Device ID Device Name OP GOP Shaping F | IONE | m Add Delete Network Info MAC IP Destination IP Gateway IP IGMP IP | Connect | < Disconnec | m + t Add Delete | × | Search Status Setting Reboot |
| evice Info Device Info Device ID Device Name OP GOP Shaping Device Status | ione | m Add Delete Network Info MAC IP Destination IP Gateway IP IGMP IP Sport | Connect | (Disconnec | m , t Add Delete USB Use Use | <m [[[[</m | Search Status Setting Reboot All Reboot |

6.8.7 Disconnecting 1: N Session Group

1) Select the group of which session you want to disconnect.

| A Devices I | | Sessions | | | | RX Devices 2 | |
|--|-----------|--|--------------|-----------------|-----------------------|---------------------------------------|---------------------------------------|
| Mac | Name | 1:1 Session | | ŭ | | Mac | Name |
| 0024FC061F54 | IPH300E_1 | Add Delete | Cor | nect | Add Delete | 0024FC011234 | IPH300D_1 IPH300D_8 |
| | | Group # 0 | - | | | tu. | |
| | | Mac | Name | Mac | Name | 0 | |
| | | | | 0024 | FC123333 IPH300D_8 | | |
| | | « [| | | m | | |
| m. m. | | < m Add Delete | Connect | < ∣ Disconne | m , | 4 [] | |
| Device Info | | < m Add Delete Network Info | Connect | + Disconne | m , st Add Delete | · | Search |
| m Device Info Device ID | | Add Delete Network Info MAC | , Connect | * Disconne | m , st Add Delete | * <u> </u> | Search |
| Device Info Device ID Device Name | | Add Delete Network Info MAC IP | Connect | < | m, , ot Add Delete | * <u> </u> | Search Status |
| m Device Info Device ID Device Name QP COD | • | Add Delete Network Info MAC IP Destination IP | Connect | + Disconne | m , st Add Delete | • | Search Status Setting |
|) with the second secon | • • | < m Add Delete Network Info MAC IP Destination IP Gateway IP | , Connect | + Disconne | m , st Add Delete | · · · · · · · · · · · · · · · · · · · | Search Status Setting Reboot |

 Check the Tx device that is transmitting video in the group session, and click "Disconnect" button. Be sure that all devices should be in "Manual" mode ("Op") to get disconnected.

| X Devices 1 | | Sessions | | | | RX Devices 2 | |
|--|---|--|--|-------------------------|--|--|---|
| Mac | Name | 1:1 Session | | | | Mac | Name |
| 0024FC061F54 | IPH300E_1 | Add Delete Group Sessions Group # 0 Mac Ø 0024FC061F54 | Connec | Mac 0024FC 0024FC | Add Delete Name 011234 IPH300D_1 123333 IPH300D_8 | 0024FC011234 0024FC123333 | IPH300D_1 IPH300D_8 |
| | | | | | | | |
| ¢ [π Device Info | | Add Delete Notwork Info | Connect [| Disconnect | m , Add Delete | | |
| e m Device Info Device ID | IPH300D | Add Delete Network Info MAC | Connect [] | Disconnect | m, , Add Delete |) • <u>• </u> | Search |
| <π Device Info Device ID Device Name | 1PH300D 1 | Add Delete Network Info IP | Connect [0024FC011234 192,168,0,200 | Disconnect | m, , , , , , , , , , , , , , , , , , , | | Search |
| e m Device Info Device ID Device Name QP I | IPH300D 1PH300D_1 0 | Add Delete Network Info MAC IP Destination IP | Connect (0024FC011234 192,168,0,200 192,168,0,248 | Disconnect | m , Add Delete | | Search Status Setting |
| Device Info Device ID Device Name QP I GOP | IPH300D 1PH300D_1 0 0 | Add Delete Network Info MAC IP Destination IP Gateway IP | 0024FC011234 192,168,0,200 192,168,0,248 192,168,0,1 | Disconnect | m , Add Delete | | Search Status Setting |
| Device Info Device ID Device Name OP GOP Shaping | IPH300D 1 IPH300D 1 0 0 none | Add Delete Network Info MAC IP Destination IP Gateway IP IGMP IP | 0024FC011234 192,168,0,200 192,168,0,248 192,168,0,1 0 | 2)isconnect | m , Add Delete | () () () | Search Status Setting Reboot |
| Device Info Device ID Device Name OP GOP Shaping Device Status | IPH300D IPH300D_1 0 0 0 0 0 0 0 0 0 0 0 0 0 | Add Delete Network Info MAC IP Destination IP Gateway IP IGMP IP Soport | Connect C 0024FC011234 192,168,0,200 192,168,0,248 192,168,0,1 0 10000 | Disconnect | M Add Delete | | Search Status Setting Reboot All Reboot |

3) Once the session disconnects successfully, the device status becomes "OFF" and the status icon turns to gray.

| X Devices 1 | | Sessions | | | | RX Devices 2 | |
|--|---|--|---|------------------------------------|--|----------------------------|---|
| Mac | Name | 1:1 Session | | | | Mac | Name |
| 0024FC061F54 | 4 IPH300E_1 | | | | | 0024FC01123 0024FC12333 | 4 IPH300D_1 3 IPH300D_8 |
| | | Add Delete | Con | nect | Add Delete |] | |
| | | Group Sessions Group # 0 | * | | | * | |
| | | Mac | Name | Mac | Name | 1 | |
| | | UU24FCU61F54 | IPH300E_1 | 0024 | -CU11234 IPH300D_1 FC123333 IPH300D_8 | 4 | |
| | | | | | | | |
| | | < | | * | | | |
| 1 | m | < m Add Delete | , Connect | * Disconner | m , t Add Delete | | TT / |
| - Levice Info | <u>m</u> • | Add Delete Network Info | Connect | + | t Add Delete | | III Search |
| Device Info | IPH300D | Add Delete Network Info MAC | • Connect 0024FC01123 | < Disconnec 4 | t Add Delete | | m Search |
| Device Info Device ID Device Name | m + 1PH300D 1PH300D_1 | Add Delete Network Info MAC IP | Connect 0024FC01123 192, 168,0,200 | V Disconner | t Add Delete | | m Search Status |
| Device Info Device ID Device Name QP | m + 1PH300D 1PH300D_1 0 | Add Delete Network Info MAC IP Destination IP | Connect 0024FC01123 192, 168, 0, 201 192, 168, 0, 244 | Disconner | m , t Add Delete | | m Search Status Setting |
| Device Info Device ID Device Name QP GOP | IPH300D TPH300D 10 0 | Add Delete Network Info MAC IP Destination IP Gateway IP | Connect 0024FC01123 192, 168, 0, 200 192, 168, 0, 244 192, 168, 0, 1 | 4 3 | t Add Delete | | m Search Status Setting Reboot |
| Device Info Device ID Device Name QP GOP Shaping | m > 1PH300D 1PH300D_1 0 0 none | Add Delete Network Info MAC IP Destination IP Gate way IP IGMP IP | Connect 0024FC01123 192,168,0,201 192,168,0,241 192,168,0,1 | K Disconner 14 3 | t Add Delete | | Search Status Setting Reboot |
| Device Info Device ID Device Name GP GOP Shaping Device Status | m , 1PH300D_1 0 0 0 0 0 0 0 0 0 0 0 0 0 | Add Delete Network Info MAC IP Destination IP Gateway IP IGMP IP Soort | Connect 0024FC01123 192,168,0,201 192,168,0,241 192,168,0,1 0 10000 | K Disconner K J J J | nı , , , , , , , , , , , , , , , , , , , | • | Search Status Setting Reboot All Reboot |

6.8.8 Disconnecting a Certain Rx Device from a 1: N Session Group

1) Select the session group from which you want to disconnect a certain Rx device.

| X Devices I | | Sessions | | | | RX Devices 2 | |
|---|-------------------|--|--------------|---------------|--|-------------------------------------|---|
| Mac 0024FC061F54 | Name IPH300E_1 | 1:1 Session | | | | Mac 0024FC011234 0024FC123333 | Name IPH300D_1 IPH300D_8 |
| | | Add Delete Group Sessions | Con | nect | Add Delete | | |
| | | Mac | Name | Mac | Name | 9 | |
| | | UU24FC061F54 | IPH300E_1 | 002 | HCU11234 IPH300D_1 HC123333 IPH300D_8 | | |
| | T., | < m Add Delete | Connect | < | t Add Delete | | |
| e Info | | < m Add Delete Network Info | , Connect | * Disconne | m , ct Add Delete | • m | |
| Device Info | | Add Delete Network Info MAC | Connect | < Disconne | m + ct Add Delete | × | Search |
| Device Info Device ID Device Name | | Add Delete Network Info MAC IP | , Connect | Oisconne | m + ct Add Delete | • <u> </u> | Search Status |
| Device Info Device ID Device Name QP |) • | Add Delete Network Info MAC IP Destination IP | Connect | Disconne | m , ct Add Delete | · | Search Status Setting |
| Device Info Device ID Device Name QP GOP | | Add Delete Network Info MAC IP Destination IP Gateway IP | Connect | < | m , ct Add Delete | • <u></u> | Search Status Setting Reboot |
| Device Info Device ID Device Name QP GOP Shaping | nong | Add Delete Network Info MAC IP Destination IP Gateway IP IGMP IP | Connect | < Disconne | THE SECONDESS OF S | ((((| Search Status Setting Reboot |
| Device Info Device ID Device ID Device Name QP GOP Shaping Device Status | nong | Add Delete Network Info MAC IP Destination IP Gateway IP IGMP IP Sport | Connect | < Disconne | m + ct Add Delete USB Use Use | < [| Search Status Setting Reboot All Reboot |

2) Check the Rx device to be disconnected and click "Disconnect" button below Group Sessions box.

| X Devices 1 | | Sessions | | | | RX Devices 2 | |
|--|-----------|--|--------------------------|-----------------|--|--------------|---|
| Мас | Name | 1:1 Session | | ŭ | | Mac | Name |
| 0024FC061F54 | IPH300E_1 | Add Delete Group Sessions Group # 0 Mac 0024FC061F54 | Con Vame IPH300E_1 | Mac 0024F(| Add Delete Name C011234 IPI1300D 1 C123333 IPI1300D 8 | 0024FC123333 | IPH300D_1 IPH300D_8 |
| | | | | | | | |
| m | • | < m Add Delete | Connect | < Disconnect | m , Add Delete | د (m | |
| un u | | < m Add Delete Network Info | , Connect | < Disconnect | m + Add Delete | < | Search |
| The second secon | | Add Delete Network Info MAC | Connect | < Disconnect | m , Add Delete | - <u> </u> | Search |
| m vevice Info Device ID Device Name | • | Add Delete Network Info MAC IP | Connect | < | m , Add Delete | * <u> </u> | Search |
| m Device Info Device ID Device Name QP | | Add Delete Network Info MAC IP Destination IP | Connect | < | m , Add Delete | • | Search Status Setting |
| Device Info Device ID Device ID Device Name QP GOP | ► | Add Delete Network Info MAC IP Destination IP Gateway IP | , Connect | < | m , Add Delete | * <u> </u> | Search Status Setting Reboot |
| Device Info Device ID Device Name OP GOP Shaping | none | Add Delete Network Info MAC IP Destination IP Gateway IP IGMP IP | Connect | < Disconnect | M Delete | • | Search Status Setting Reboot |
| Device Info Device ID Device Name OP GOP Shaping Device Status | none | Add Delete Network Info MAC IP Destination IP Gateway IP IGMP IP Sport | Connect | • Disconnect | M , , , , , , , , , , , , , , , , , , , | - <u>m</u> | Search Status Setting Reboot All Reboot |

3) If it disconnect the Rx device successfully, its status becomes "OFF" ("Device Status") and the status icon turns to gray.

| X Devices 1 | | Sessions | | | | RX Devices 2 | |
|---|---------------------------------------|---|----------------------|-------------------------------------|--|-----------------------|---|
| Mac | Name | 1:1 Session | | | | Mac | Name |
| 0024FC061F54 | IPH300E_1 | Add Delete | Connect | | Add Delete | 0024FC011234 | IPH300D_1 IPH300D_8 |
| | | Group Sessions Group # 0 | 8 * | | | ±1 | |
| | | Mac 0024FC061F54 | Name Ma IPH300E_1 | 0024FC011 0024FC011 0024FC123 | Name 234 IPH300D 1 333 IPH300D_8 | | |
| | | | | | | | |
| | | < m Add Delete | Connect Dis | connect | m , Add Delete | |) |
| m Device Info | | < m Add Delete Network Info | Connect Dis | connect | m Add Delete | x | D sizek |
| m Device Info Device ID | | Add Delete Network Info MAC | Connect Dis | connect) | M Add Delete | × | Search |
| m Device Info Device ID Device Name | b | Add Delete Network Info MAC IP | Connect Dis | iconnect | Add Delete | <mark>* </mark> | Search Status |
| m Device Info Device ID Device Name QP | · · · · · · · · · · · · · · · · · · · | Mad Network Info MAC IP Destination IP | Connect Dis | iconnect) | m • Add] [Delete | ((| Search Status Setting |
| Device Into Device ID Device Name OP GOP | • | < m Add Delete Network Info MAC IP Destination IP Gateway IP | Connect Dis | connect | m • Add _ Delete | (((| Search Status Setting Reboot |
| Device Info Device ID Device Name OP GOP Shaping | none | < m. Add Delete Network Info MAC IP Destination IP Gateway IP IGMP IP | Connect Dis | usB | m, Add Delete | (((((| Search Status Setting Reboot |
| Pevice Info Device Info Device ID Device Name OP GOP Shaping Device Status | none | < m. Add Delete Network Info MAC IP Destination IP Gate way IP IGMP IP Sport | Connect Dis | USB | m + Add Delete Use Use | (((((| Search Status Setting Reboot All Reboot |

6.9 Registering Mango Users

User can log in to access Mango program via designated ID and password. When you run Mango on your computer, there pops up the following login window. The initial ID and password are:

ID: mango

Password: quopin

| 🖛 Login In | |
|------------|-------|
| ID : | |
| Password : | |
| Log In | Close |

Once you log in successfully, click "Users" button, then, the following window pops up to add, delete, and modify users.

| -User Management | | | 3 |
|------------------|----------|----------|---|
| ID | PASSWORD | ID | |
| mango | quopin | | |
| | | Password | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | Add | |
| | | Delete | |
| | | Modify | |

7. Customer Service

The return of a product to our Customer Service implies the full agreement of the terms and conditions hereinafter. There terms and conditions may be changed without prior notice.

1) Warranty

The limited warranty period of the product is fixed three years.

2) Scope

These terms and conditions of Customer Service apply to the customer service provided for the products or any other items sold by authorized distributor only.

3) Warranty Exclusion

- Warranty expiration.
- Factory applied serial number has been altered or removed from the product.
- Damage, deterioration or malfunction caused by:
 - ✓ Normal wear and tear.
 - ✓ Use of supplies or parts not meeting our specifications.
 - ✓ No certificate or invoice as the proof of warranty.
 - ✓ The product model showed on the warranty card does not match with the model of the product for repairing or had been altered.
 - ✓ Damage caused by force majeure.
 - ✓ Servicing not authorized by distributor.
 - ✓ Any other causes which does not relate to a product defect.
- Shipping fees, installation or labor charges for installation or setup of the product.

4) Documentation

Customer Service will accept defective product(s) in the scope of warranty coverage at the sole condition that the defeat has been clearly defined, and upon reception of the documents or copy of invoice, indicating the date of purchase, the type of product, the serial number, and the name of distributor.

Remarks: Please contact your local distributor for further assistance or solutions.