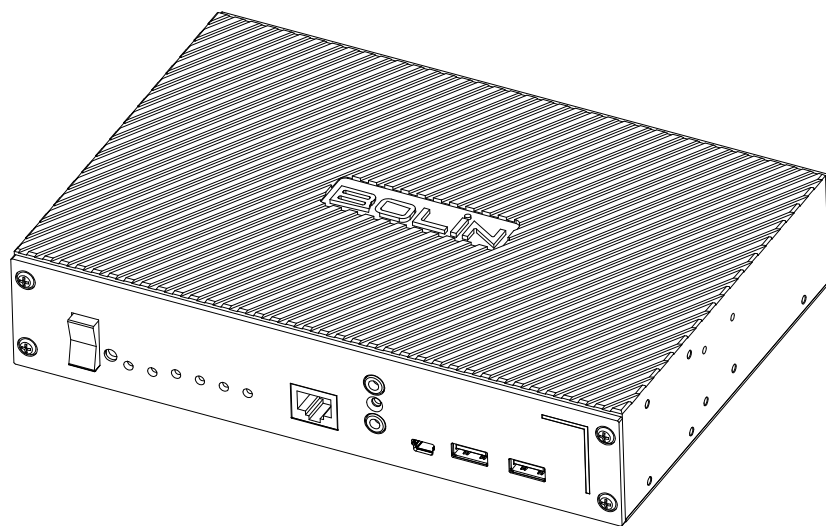


Dante AV™

Encoder / Decoder



Quick Start Guide

This quick start guide applies to D20H, D20S

Items included in the encoder / decoder box



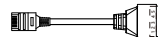
D20H/D20S
Dante AV Encoder/Decoder



VCC-P12-4
Power Adaptor x 1



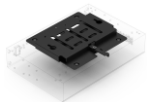
Power Cord x 3
(Type: US, EU, UK)



VCC-CC45RS
RJ45 to RS422
Control cable x 1



B-BM10
Base Mount Kit x1



B-SM10
Surface Mount Kit x 1



M4*6PW Screw x 8
For Surface Mount Kit mounting



M2.5*3C Screw x 8
For HDMI cable secure mounting



M3*8K Screw x 4
For base mount kit mounting



M5*12P Screw x 4
For TV surface mounting



Mini Pole Bracket x 1



Cable Tie x 4



HDMI Cable Mount x 1

Note: The Dante AV Decoder is mandatory for Dante AV video output.

Optional Accessories



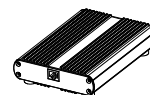
B-DR10
DIN Rail Mounting Kit-
For Encoder / Decoder



B-RM10
Single Rack Mounting Kit-
For Encoder / Decoder



B-RM11
Dual Rack Mounting Kit-
For Encoder / Decoder



BL-PP97
Bolin 97W POE power supply-
For Camera and Encoder / Decoder

Dante AV Video Output Setup

1. Item List



Dante AV Encoder x1
Dante AV Decoder x1



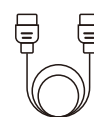
POE++ 1Gbps Network Switch
(Not included)



Computer
Dante Controller x 1
(Not included)



Display Output Device x 1
(Supports 4K60)
(Not included)



HDMI 2.0 Cable x1
(Not Included)



Cat6 Network Cable x3
(Not Included)

2. Install Dante Controller Software

Dante Controller Download URL: <https://my.audinate.com/support/downloads/download-latest-dante-software?lang=zh-hans>

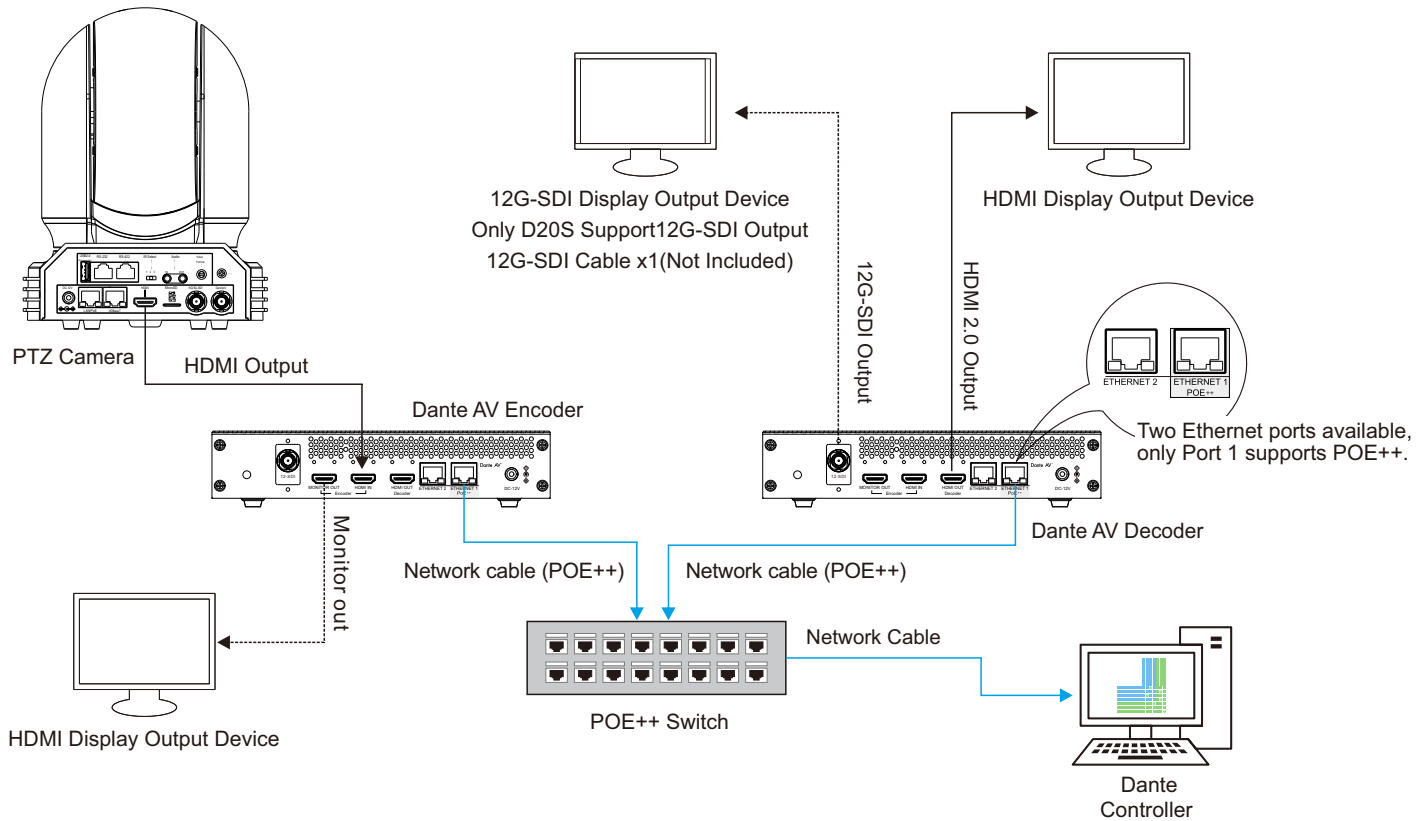
Dante Controller Hardware Requirements:

- CPU: Minimum of 1GHz processor
- Storage: At least 512MB
- Network Card: Ethernet connectivity port (1000 Mbps)

Dante Controller OS Requirements:

- Windows: Windows 7/8/10
- Mac OSX: 10.13.6 / 10.14.6 / 10.15 Note: Does not support PPC.

3. Connection Diagram



Note: ①. DHCP network configuration is recommended.

② If network does not support DHCP, please manually configure IP details on the camera and decoder to match the same gateway.

③ Switch Requirement:

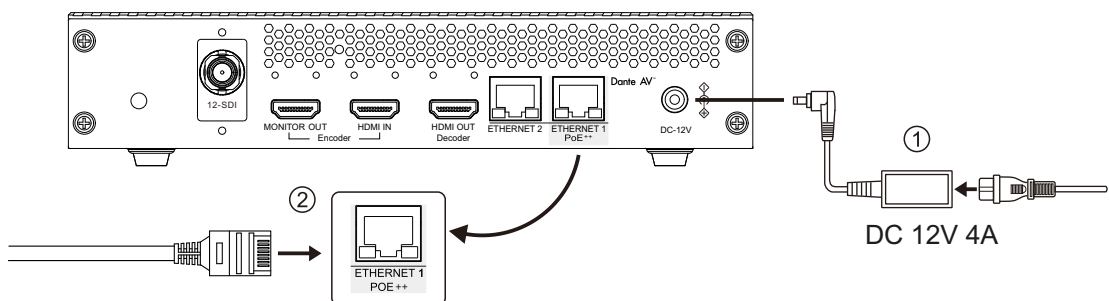
- Nonblocking Layer 2
- Green Ethernet must be OFF (Recommend not using Green Ethernet capable switches)
- Use reputable "Managed" switches
- Support QoS with strict priority and 4 queues
- IGMP Snooping ON
- Please refer to product manual at www.bolintechtechnology.com for IP configuration instructions

4. Power on the Decoder

Both DC12V and POE are workable, when powering the camera, DC 12V preferably.

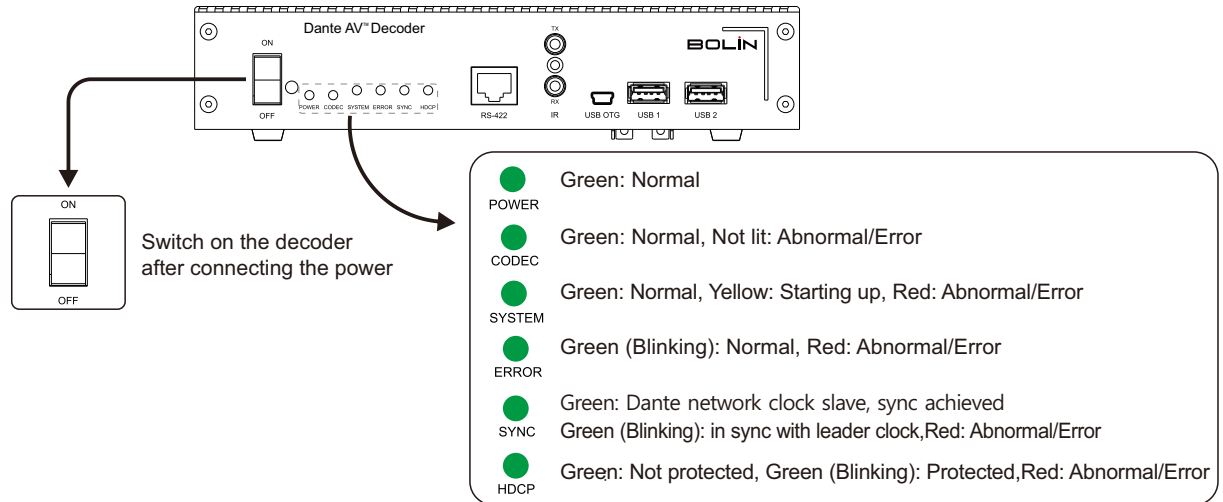
①. Power Adaptor (DC 12V 4A) to power the decoder.

②. When using POE ++ , use IEEE802.3bt certified switch to power this decoder



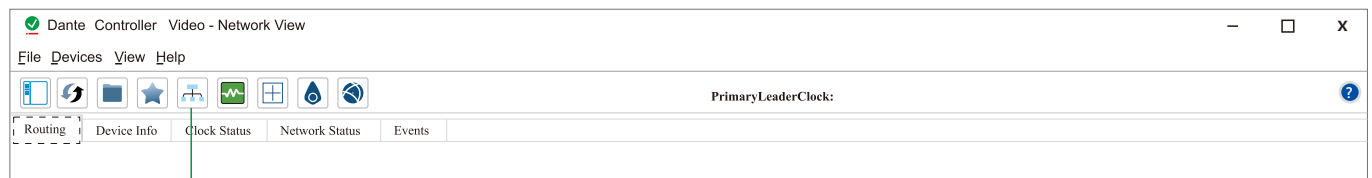
Note: For Dante AV camera startup tips, please refer to its respective diagram.

5. Dante AV Decoder Startup



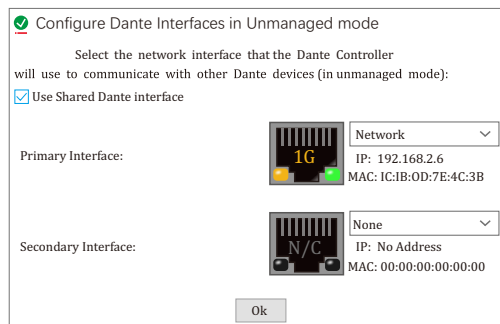
Note: For Dante AV camera startup tips, please refer to its respective diagram.

6. Display Camera Video via Decoder

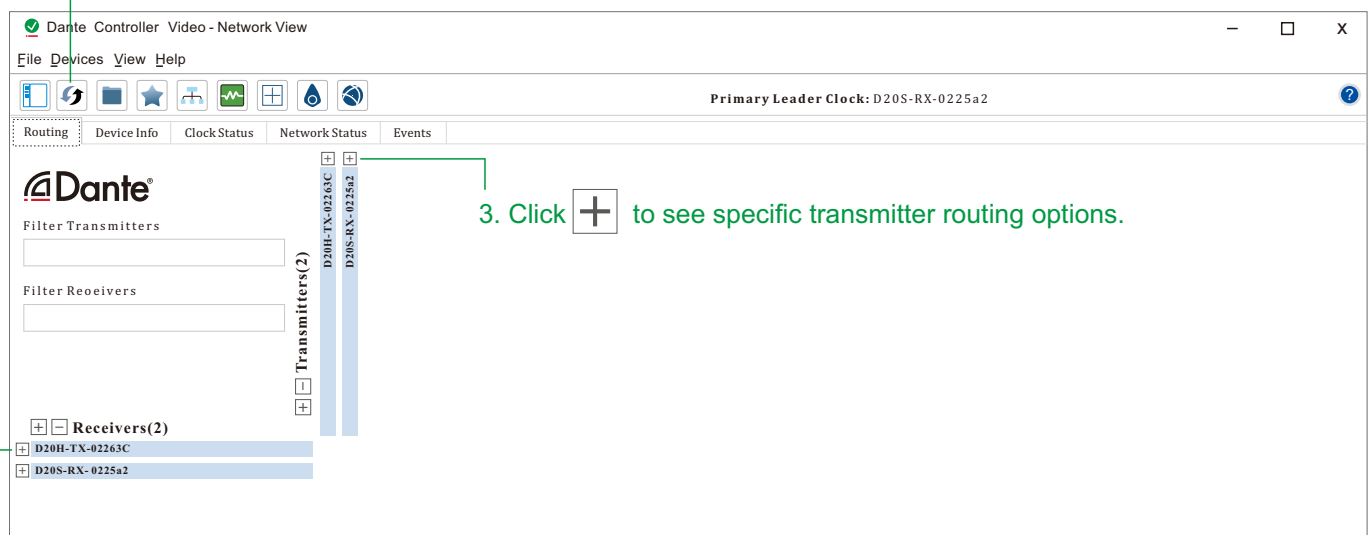


1. Click to choose network interface

This is mandatory when there are multiple network connectivity methods on the device.



2. Click to see all connected Dante devices.

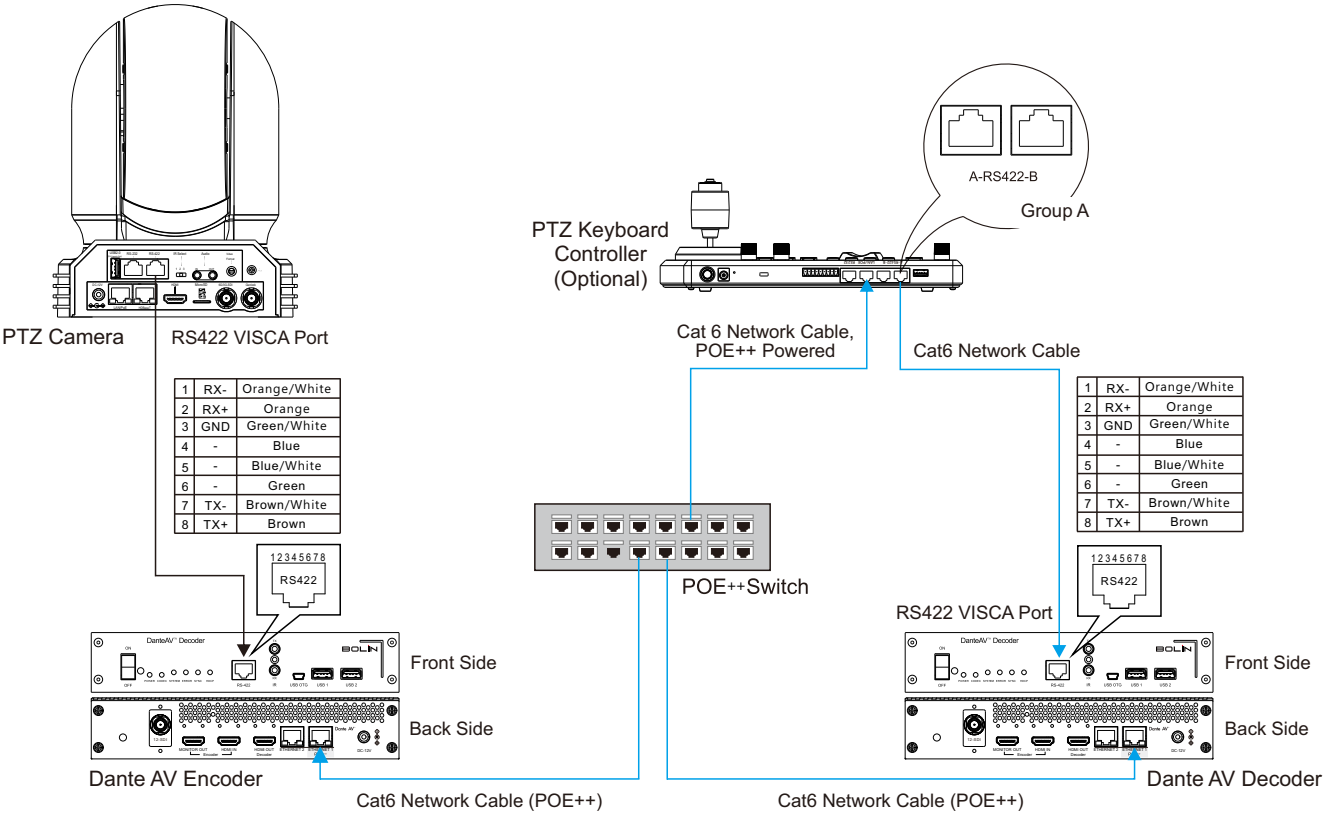


3. Click to see specific transmitter routing options.

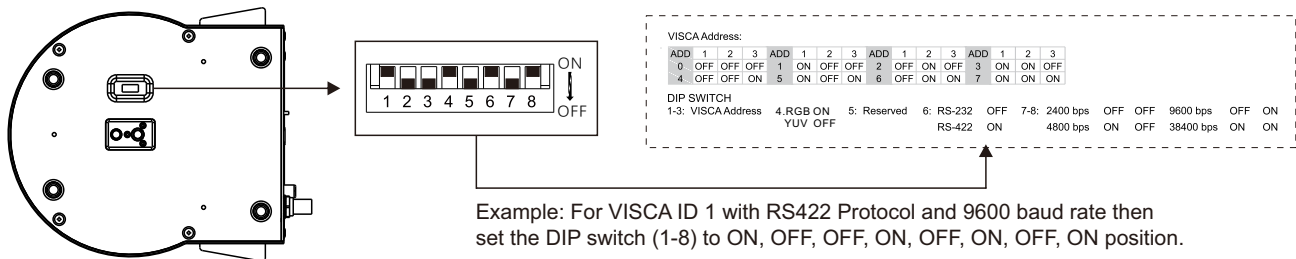
4. Click to see specific receiver routing options.

7. Camera Remote Control Setup

① Connection Diagram



② Camera VISCA Address, Communication Protocol, and Baud Rate Settings (Take BC-7 as an example)



Note: The camera should be powered off prior to changing the DIP switch setting. When there are multiple PTZ cameras involved, refer to the table above for unique VISCA address to each camera. Up to seven unique address can be assigned to cameras at any given time.

③ Subscribe RS-422 Channel on Dante Controller

The screenshot shows the Dante Controller interface with the 'Routing' tab selected. On the left, under 'Receivers(2)', the device 'D20S-RX-0225a2' is expanded, showing its various outputs: SDI/HDMI RX, Left, Right, Center, LFE/Surround, Left Surround, Right Surround, Left Center, Right Center, USB, IR, and Serial. The 'Serial' output is highlighted with a green checkmark. A green callout box with a checkmark and the text 'Check to subscribe for RS-422 control' points to this 'Serial' output. The routing matrix on the right shows connections between transmitters and receivers, with a green checkmark in the 'Serial' row of the 'D20S-RX-0225a2' column.

Note: Rs422 channel needs to be subscribed in the Dante controller for remote control. Please refer to the keyboard controller's product manual for detail.
You can also use the infrared remote control to remotely control the camera through the DanteAV decoder. For detailed IR remote operation instruction, please refer to camera product manual.



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