



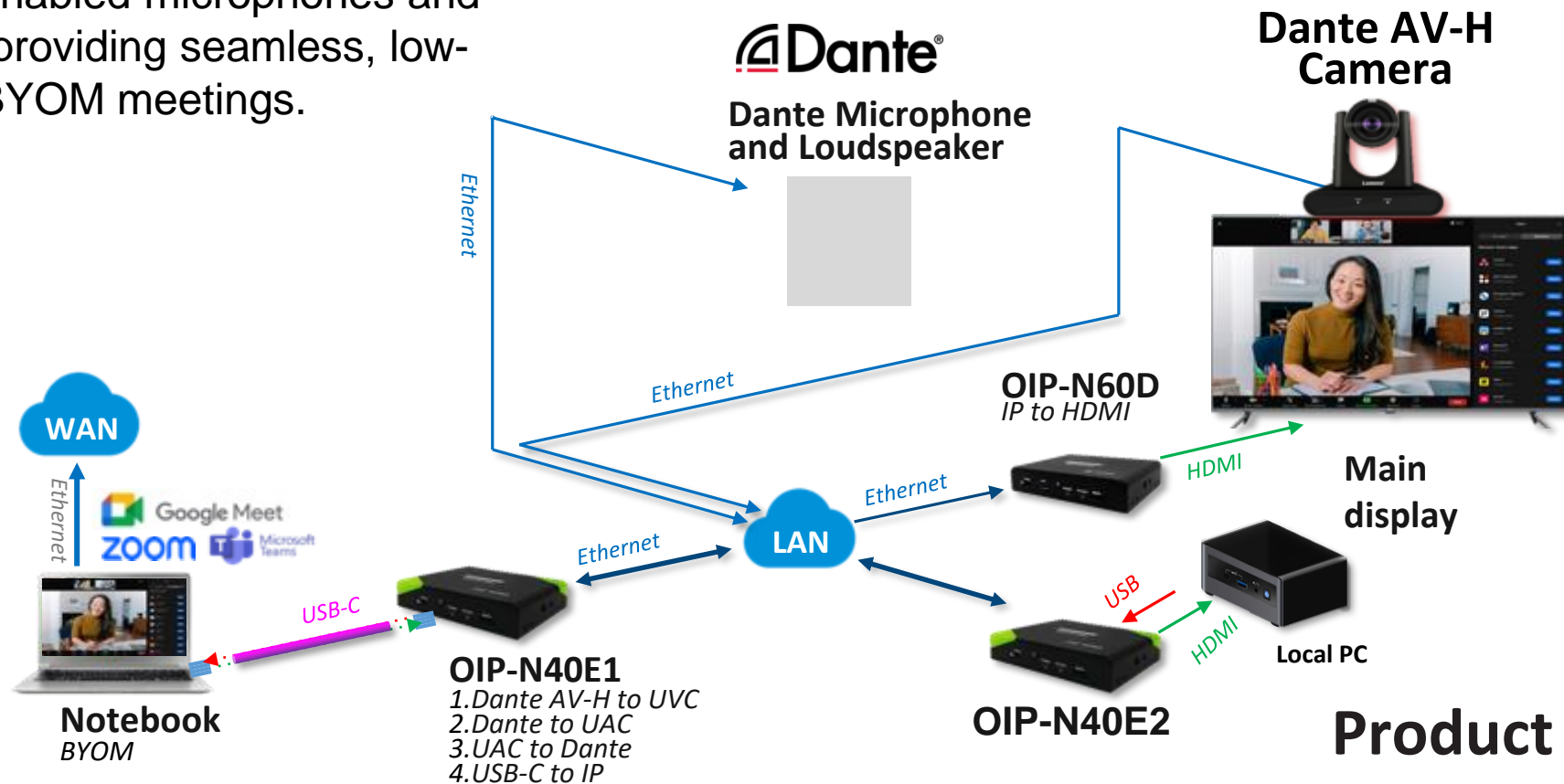
***Lumens***<sup>®</sup>

OIP-N  
Dante BYOM  
Setting Guide

Vince 20251230

## Introduction

**Dante BYOM** allows users to connect their laptops to Dante-enabled microphones and speakers over IP, providing seamless, low-latency audio for BYOM meetings.



## Product

1. OIP-N + VC(Dante)
2. Dante Microphone
3. Dante speaker

# Dante BYOM setting

Complete the hardware connections before proceeding with the following steps.

## 1. OIP-N40E1:

Step1: Go to [Stream]=>[Stream Setting], change Stream type to [Dante AV-H] and Apply.

Step2: Go to [System]=>[Output]=>[Virtual USB Setting], enable Virtual USB Output and select [Follow Dante] as UAC source.

(Continued on next slide)

### Step1

**Stream Setting:**

Stream Type  ▼

### Step2

**Virtual USB Setting**

Virtual USB Output ☒

Codec  ▼

UAC Output  ▼

# Dante BYOM setting

## 1. OIP-N40E1:

Step3: Go to [Source], select the Dante as Source.

Step4: Go to [Audio]=>[Stream Audio], enable stream audio, select [USB Audio] as Audio source.

### Step3

OIP-N40E  
Default

Source List: Search New Source Search Mode: NDI & ONVIF ▼

No.	Name	Location	IP Add.	Type	Status	Remark
1	---	---	---	Dante AV-H	OK	For Dante

▲ ▼ Edit Delete Play

### Step4

Audio

Audio In/Out Stream Audio Talk Back Audio Dante Audio

Stream Audio ☒

Audio Source USB Audio ▼

Encode Sample Rate 48 KHz ▼

Apply Cancel

# Dante BYOM setting

## 2. OIP-N40E2

Step1: Go to OIP-N40E2 [Stream]=>[Stream Setting], change Stream type to [RTSP] and Apply.

Step2: Go to [System]=>[Output]=>[Virtual USB Setting], enable Virtual USB Output and select [Follow Dante] as UAC source.

(Continued on next slide)

### Step1

#### Stream Setting:

Stream Type

Codec

Bit Rate  kbps

Rate Control

RTSP URL

☐ Multicast

☐ Authentication

Account

Password

Apply

Cancel

### Step2

#### Virtual USB Setting

Virtual USB Output ☒

Codec

UAC Output

## Dante BYOM setting

## 2. OIP-N40E2

Step3: Go to [Source], select the Dante as Source.

Step4: Go to [Audio]=>[Stream Audio], enable [Stream Audio], select [USB Audio] as Audio source.

## Step3

OIP-N40E

Default

Source List:

Search New Source

Search Mode : NDI & ONVIF ▼

☐

+

No.	Name	Location	IP Add.	Type	Status	Remark
1	-----	-----	-----	Dante AV-H	OK	For Dante

▲

▼

Edit

Delete

Play

## Step4

### Audio

Audio In/Out	Stream Audio	Talk Back Audio	Dante Audio
<div>Stream Audio <input checked="" type="checkbox"/></div> <div>Audio Source <div>USB Audio</div></div> <div>Encode Sample Rate <div>48 KHz</div></div> <div><div>Apply</div><div>Cancel</div></div>			

# Dante BYOM setting

## 3. OIP-N60D

Step1: Go to OIP-N60D [Source], select the Dante as Source1 and OIP-N40E2 as Source2.

Step2: Go to [Audio]=>[HDMI Audio Out], enable [HDMI Audio Out], select [Follow Stream] as Audio source.

### Step1

Source List: Search New Source

No.	Name	Location	IP Add.	Type	Status	Remark	
<input type="checkbox"/>	1	-----	-----	Dante AV-H	Source 1	For Dante	
<input type="checkbox"/>	2	OIP-N40E	Default	192.168.6.62	RTSP	Source 2	8557/h264
<input type="checkbox"/>							

☐ ☐ ☐

▲ ▼ Edit Delete Source 1 Source 2

### Step2

Audio

Audio In/Out HDMI Audio Out Talk Back Audio Dante Audio

HDMI Audio Out ☒

Audio Source Follow Stream ▼

Audio Volume  5

☐ Audio Delay

Audio Delay Time(-)  1 ms

Apply Cancel

# Dante BYOM setting

## 4. Dante Controller setting

Go to Dante Controller, subscriber all the TX and RX you need.

E.g.:

- TX: N40E1 、N40E2 audio channel, RX: Dante Speaker ;
- TX: N40E1 Video channel, RX: N60D
- TX: Dante Mic, RX: N40E1, N40E2 ;
- TX: Dante Camera(Need to add **multicast Flow**), RX: N40E1, N40E2

### ※Limitation and attention item:

Cannot use Local PC and Notebook at the same time.

The screenshot shows the Dante Controller interface with the following components:

- Routing Tab:**
  - Filter Transmitters:** Search bar.
  - Filter Receivers:** Search bar.
  - Transmitters (13):**
    - A0-TR61-03cec1 (01, 02)
    - AA-MXA902-S-d88ad5 (01, 02)
  - Receivers (11):**
    - AA-MXA902-S-d88ad5 (Input 1/AEC Ref, Input 2/AEC Ref)
    - OIP-N40E-035059 (01, 02)
    - OIP-N40E-0350a3 (01, 02)
    - OIP-N60D-Dante-AV-H-03504a (01)
    - OIP-N60D-Dante-AV-H-035335 (01, 02)
- Device Info Tab:**
  - OIP-N40E-035059:** Shows connection status for various channels.
  - OIP-N40E-0350a3:** Shows connection status for various channels.
  - OIP-N60D-Dante-AV-H-03504a:** Shows connection status for various channels.
  - OIP-N60D-Dante-AV-H-035335:** Shows connection status for various channels.
- Multicast Transmit Flows:**
  - Multicast Flow 1 : 01
- Buttons:** Add, Delete