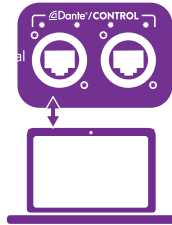




## STEP 1 CONNECTIONS

Connect a computer or switch to one of the combined **Dante/CONTROL** network ports.

Network LEDs will start to blink.



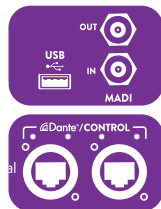
Note:  
KLANG:vokal uses a DHCP client and will automatically configure its IP address.

If no DHCP server is present on the network a link-local IP address (169.254.x.y) will be self-assigned.

KLANG:vokal's IEM processor and its Dante module are separate devices inside the unit and **require separate IP addresses**. Both devices are switched to all network ports.

## STEP 4 AUDIO ROUTING

1 Connect **MADI** IO to e.g. your mixing console.



Or connect your Dante enabled mixing console to the **Dante/CONTROL** port.

2 Go to **CONFIG > ROUTING** and select Audio Sync Source, e.g. MADI or Dante.

3 Route Audio from the Dante or MADI to the 3Diem Mixing Engine and the mixes back from 3Diem to Dante and/or MADI via routing matrix.

## STEP 2 KLANG:app

1 **OPEN**  
[www.KLANG.com/app](http://www.KLANG.com/app)



2 Download & Install & Start KLANG:app.

3 Go to **CONFIG > CONNECT** and choose your device.



Connection successful.

Note: If the computer is connected via Ethernet, WiFi should be disabled as running two active network connections could interfere with the device discovery process.

## STEP 3 SYSTEM SETUP

For the next steps, work in **Admin mode**:  
Click and hold **CONFIG** for 3 seconds.



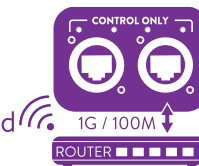
1 Go to **CONFIG > SYSTEM** to specify your sampling rate (SINGLE 48kHz or DOUBLE 96kHz). Activate EQs if required. Regardless of these settings, KLANG:vokal provides 12 mixes of 24 mono/stereo channels each.

2 To apply these changes, click and hold **RESTART** for 3 seconds.

Note: This device does not offer sample rate conversion and must therefore run with the same sample rate as the incoming audio stream.

## STEP 5 NETWORK

For personal mixing via KLANG:app on smartphones and tablets connect a **WiFi Access Point** to the designated **CONTROL ONLY** port.



Install and open KLANG:app on the smartphones/tablets and connect to KLANG:vokal as in **Step 2**.

Note: All network ports are switched, but the CONTROL ONLY ports have an outgoing multicast filter to prevent unwanted multicast traffic to enter e.g. Access Points or control networks/VLANs.

## STEP 6 ENJOY MIXING

1 Go to **CONFIG > CHANNELS** and set colors, icons and edit channel names. Assign channels to individual groups.

2 Create immersive in-ear mixes using **STAGE** and **FADERS**.

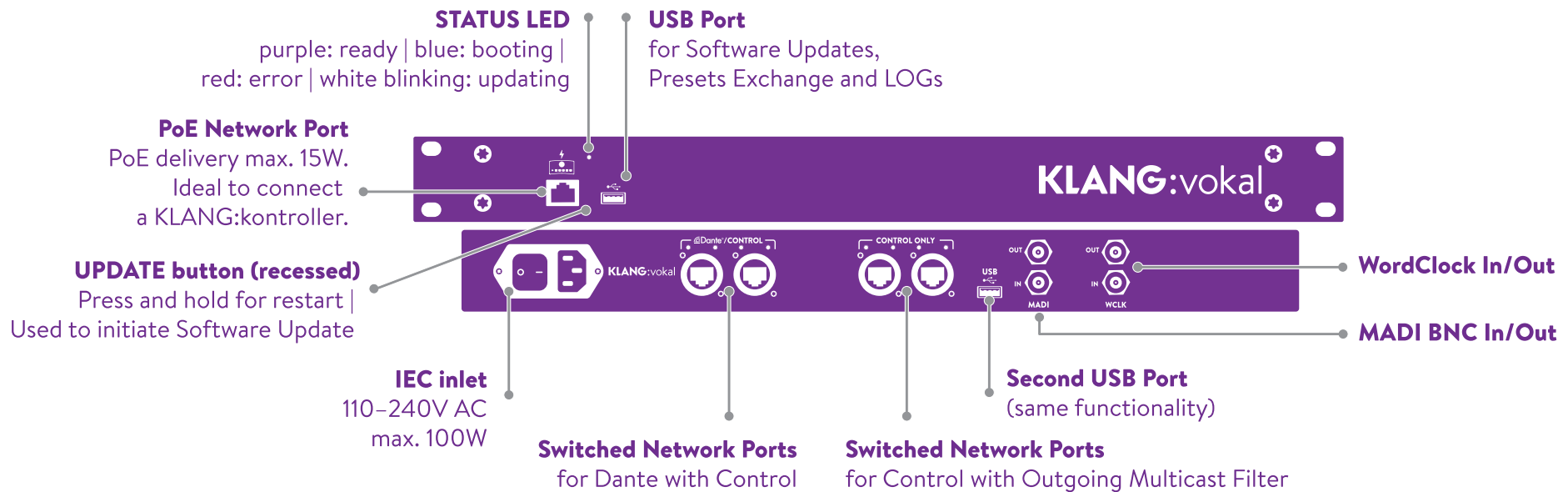
3 For further information on setup, mixing and KLANG:app tutorials visit:  
[www.KLANG.com/app](http://www.KLANG.com/app)



4 For **software updates** visit:  
[www.KLANG.com/update](http://www.KLANG.com/update)



# KLANG:vokal | TECHNICAL DATA



## SPECS

64×64 ch Dante HC (48kHz and 96kHz)

MADI BNC Input & Output (64×64 ch@48kHz/32x32 ch@96kHz)

Word Clock Input & Output

2× USB ports (front and rear) for Updates and Showfile exchange

2× Neutrik etherCON combined Dante & Control Network Ports

2× Neutrik etherCON Control Network Ports with Multicast Filter

1× PoE enabled Dante & Control Port (front)

1× IEC Power Supply 110–240VAC max. 100W

Processing Latency ¼ms

## WARNINGS AND PRECAUTIONS

Do not remove covers. Connect only to main sockets outlets with protective earth. Do not handle power cords with wet hands. Do not expose to water or other types of liquids or moisture (rain, fog, dew etc.). Operating temperature: 0 °C to 50 °C (32 °F to 122 °F). Do not expose to heat sources.

## COMPLIANCE & SAFETY

See separate safety sheet included in the product's packaging.

## WEEE – RECYCLING

According to RL2002/96/EG (WEEE – Directive on Waste Electrical and Electronic Equipment) electronic equipment has to be recycled and does not belong in the standard waste. If you are unsure how to recycle this product please contact us and we will recycle the device for you.

## WARRANTY

Register online: [www.KLANG.com/register](http://www.KLANG.com/register)

## DIMENSIONS

Weight: 3.6kg | size body: 44.0 / 4.5 / 27.5 cm | Front panel (width): 48.5cm | 19 inches | 1 RU

## FOSS

This product contains free and open source software. For licensing information see: [www.KLANG.com/license](http://www.KLANG.com/license) or open KLANG:app > CONFIG > About or type the IP address of KLANG:vokal into an internet browser on a computer connected to the same network.