

# ORLANDOviols consort box



user manual

# Included items



- (4) Headphones with intercom microphone
- (5) 6.3mm phone jack
- (6) XLR microphone jack



- (10) Professional ultra low noise audio interface (TASCAM US-2x2)
- (11) USB A to B cable

- (1) Raspberry Pi 3 B+
- (2) USB power supply (min. 2.4A)
- (3) Flexibel network cable



- (7) Professional microphone
- (8) Microphone cable
- (9) Compact stand



## Connecting the box

- a) Mount the microphone (7) on the stand (9), and connect the female end of the cable (8) with the microphone (7).
- b) Connect the audio interface (10) with the Raspberry Pi (1) using the USB cable (11).
- c) Insert the male end of the microphone cable (8) into input 1 of the audio interface.

- d) Connect the headphone plug (5) to the phones output. Optionally, plug the headphone microphone connector (6) or another microphone into input 2 of the audio interface.
- e) Connect the Raspberry Pi (1) with your internet box using network cable (3).
- f) Plugin the micro USB connector of the USB power supply (2) into the Raspberry Pi (1).



## Turning the device on and off

Before turning on the consort box please switch off the phantom power. To turn on the consort box plug the USB power supply (2) into a power outlet.

To switch off the device press the red button and wait for approx. 40 seconds, then unplug the USB power supply. Make sure that the green light on the Raspberry Pi is off before unplugging the power supply to avoid damage of the consort box.



**phantom power:**  
switch off before  
powering on the  
Raspberry Pi  
switch on when  
USB lamp is stable

**instrument level:**  
affects all listeners

**monitor:**  
keep always on 'computer'

**master level:**  
affects only  
your own  
headphones

## Adjusting the sound levels

A good starting point for the input sound levels is when the indicators on the audio device point to the right ("3 o'clock"). The "PEAK" light should never flash red while playing. Adjust the headphones to a comfortable level. Fine adjustments should be discussed with your colleagues.

## Remote mixer

To connect to the remote mixer use any browser (PC/smartphone/tablet) and navigate to <http://ovboxN:8080/>, where N is your box number (Marthe: 1, Frauke: 2, Hille: 3, Claas: 4). The browser needs to be in the same network as the consort box (e.g., in your local WLAN).

## Future extensions

- Head tracking for improved localization and externalization of sounds