

PHOENIX Audio Technologies

Using the Beyerdynamic Classis RM30 with Phoenix Stingray

The Classis RM 30 is a desktop microphone for round table discussions, podiums, tele/video conferencing and lecterns. The vertical microphone array results in a horizontal corridor characteristic (horizontal cardioid, vertical lobe).



Beyerdynamic Classis RM30 Specifications

Microphone Sensitivity: 28.7 mV/PA

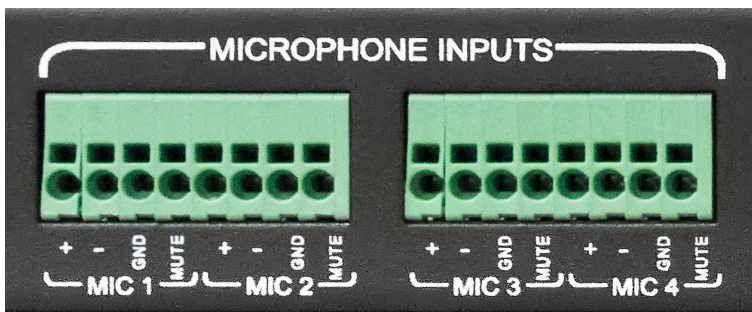
Dynamic Range: 107 dB-A

Require Phantom Power: 48V

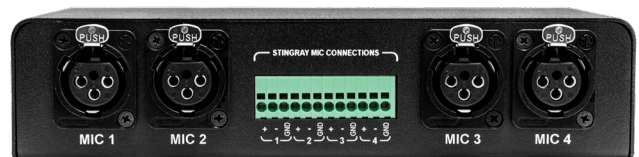
Recommended Mic Sensitivity

Table Top: 34 dB

1) The microphone should be connected to the XLR to Terminal Block Converter (MT720) which is then connected to the "microphone input" port of the Stingray.



XLR to Terminal Block Converter (MT720)



Setting the Stingray

The Stingray's mixer should be assigned to the mic input. The setting can be selected either via the device front panel or through the Stingray's setup GUI.

Stingray Front Panel :

1) From the front panel enter into the menu



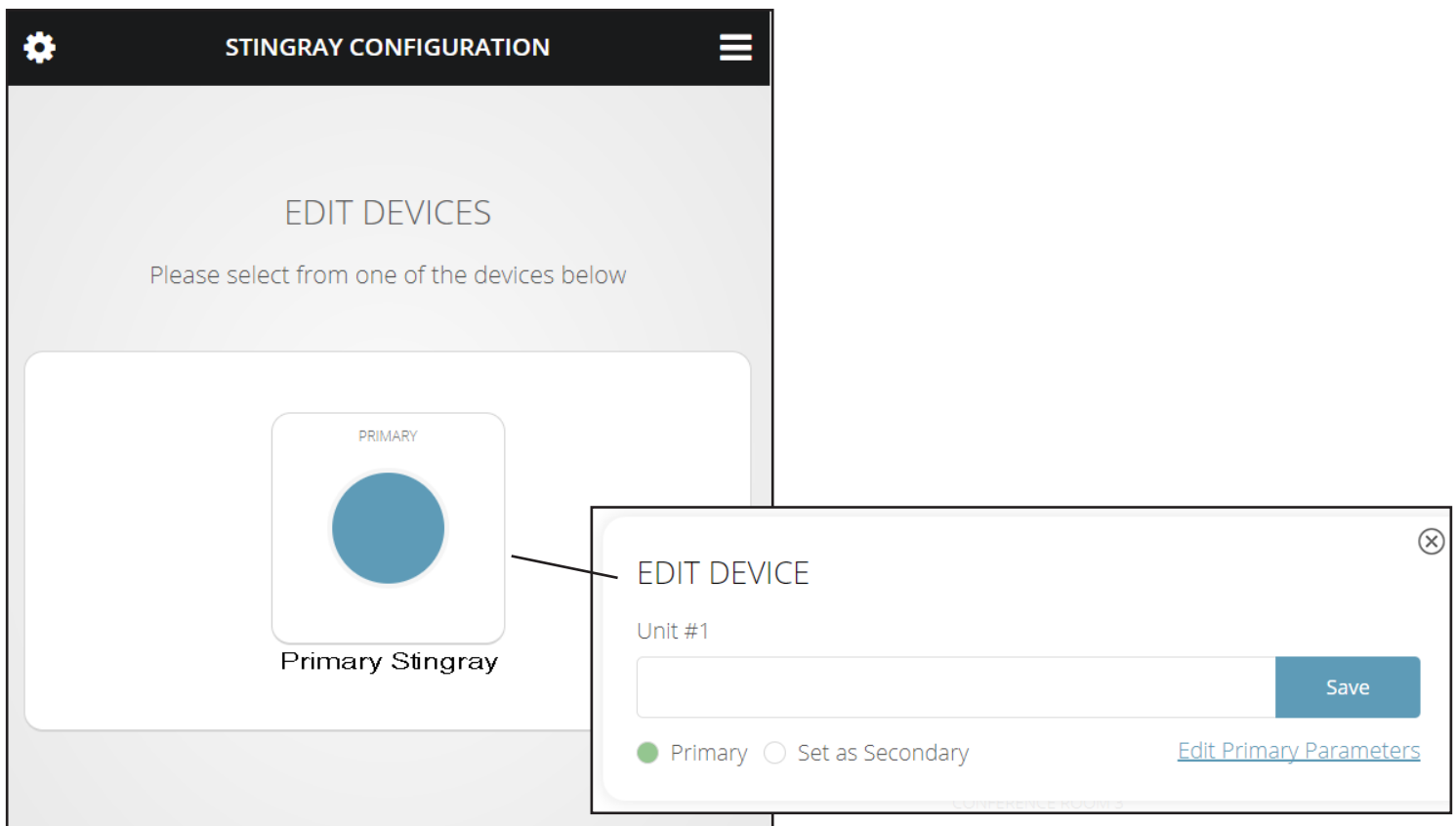
2) Scroll down to the second menu item which is the "automatic mixer selection".

3) Select it, and in it select "mix microphone input".

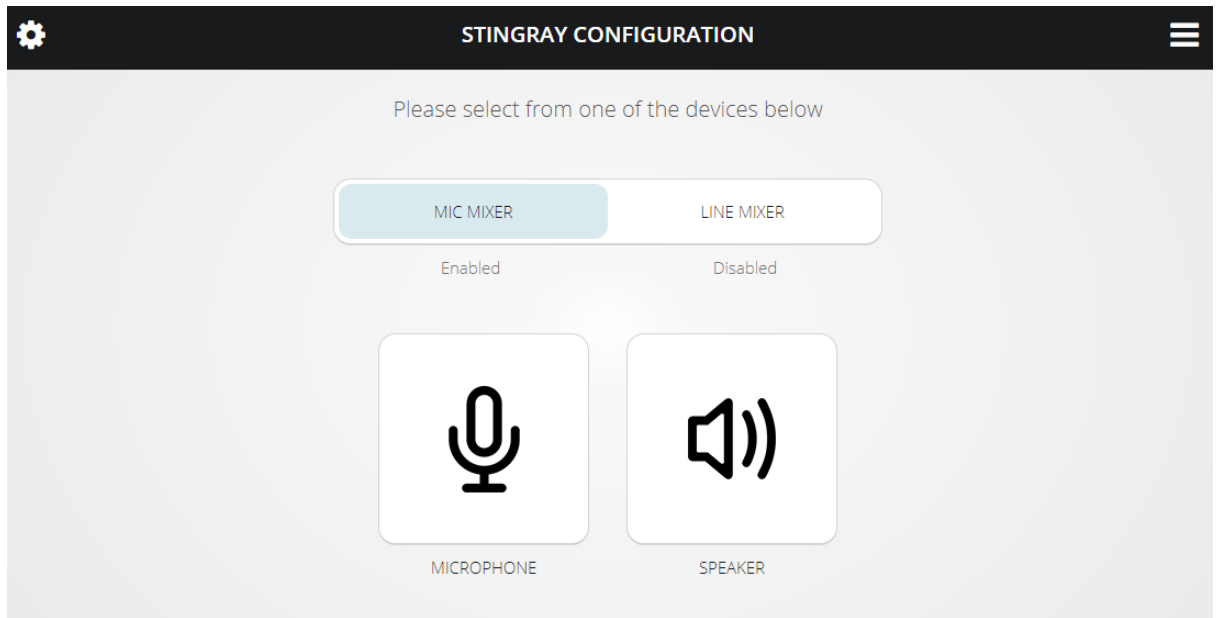


Stingray GUI:

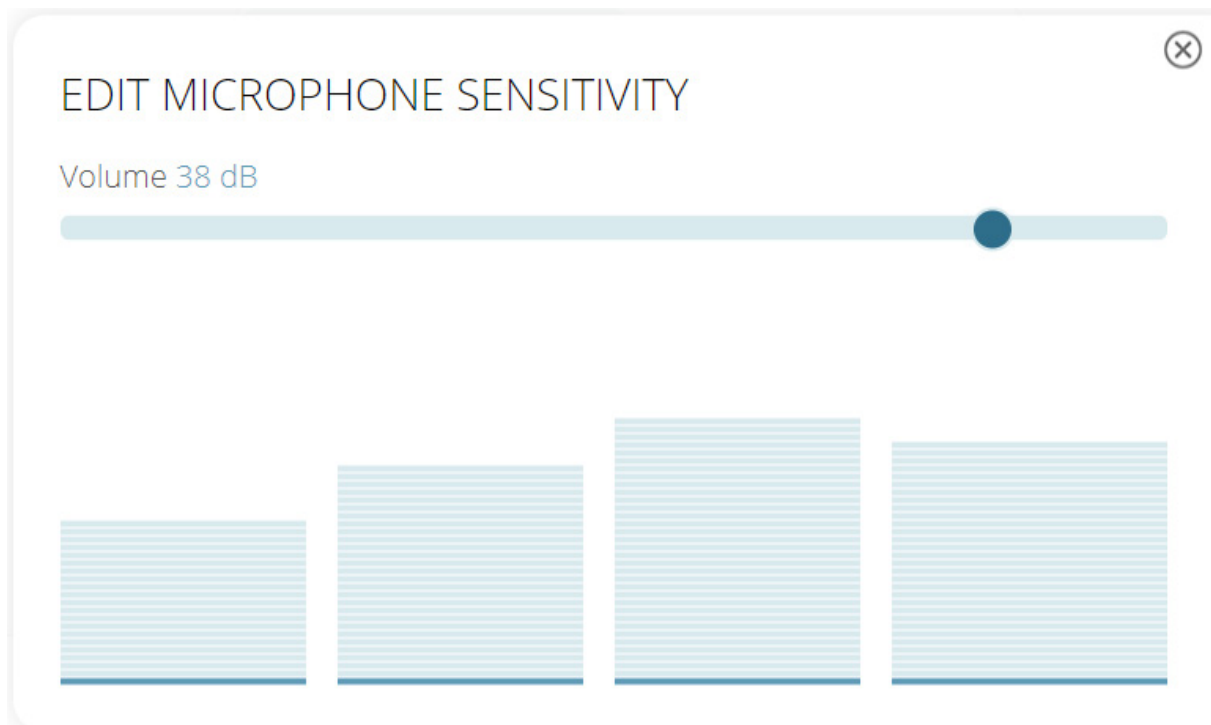
1) Select the primary unit and then click on "edit primary parameters".



2) In the next screen you should select MIC MIXER.



3) Select the Microphone button to adjust microphone sensitivity. You can also view the microphone levels from this screen.



Beyerdynamic Classis RM30 - Tested Configurations

1) Table Top - Lectern Microphone

Challenges

- The Classis RM30 microphone requires 48V Phantom Power, only supported through the microphone level connections on the Stingray. Voice lift is not supported on Microphone Level.

Solution

- If Voice Lift is required, use a 48V Phantom Power adapter to connect to Line Level input. Beyerdynamics recommends the [Whirlwind MICPOWER 4](#).

