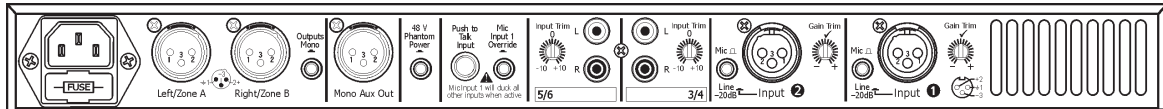
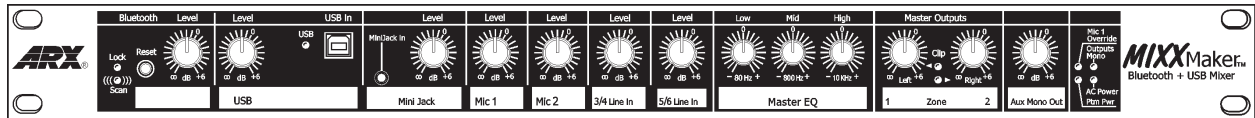


# MIXXMaker™



Bluetooth, USB, Mini-jack, Mic/Line Mixer



## Innovation

SmartPhones, Tablets, Laptops and other Bluetooth and USB enabled devices have rapidly become the program source of convenience for Corporate A.V Presentations, Seminars, Musicians, D.Js, Entertainment Venues, System Demonstrations and Testing, and many other audio playback applications.

To cope with all these audio sources. ARX introduces the MIXXMaker - a new multi-channel Microphone/Line Master Mixer. This unique device features Bluetooth, USB and MiniJack inputs, 2 Mic/Line inputs, 2 stereo line inputs, and Left/Right (or Zone 1 and 2) Master level controls, as well as an Auxiliary mono output with its own level control.

That's a lot of Inputs and a lot of control in a compact, user-friendly unit only 1 RU tall!

### Great Features

The Bluetooth receiver, USB connector and the MiniJack inputs all have their own individual level controls.

Each Microphone channel on the **MIXX-Maker** has a Balanced Low Noise Mic input, plus individual Gain and Level controls. The Mic input can also be switched to be a Line input as required. Switchable Phantom power is also available on both Mic Inputs.

The Stereo Line Inputs 3/4 and 5/6 each have rear panel input trim controls, as well as front panel output level controls, and their inputs are industry standard RCA type connectors.

Additionally there are Left and Right Master controls, and a mono L+R Aux Output with its own level control. The Left and

Right Master Output XLR connectors can also be switched to Mono if required, by a rear panel switch.

The rear panel also has a connector for a push-to-talk jack, and a Priority override ducker switch for Channel 1. Pressing this switch in will duck the level of the other channels by 20dB when Channel 1 is used.

### LED Indicators

The front panel has LED indicators for Bluetooth (see Specifications over page), USB active, Priority Override enabled, Phantom Power enabled, Outputs switched to Mono, and AC power.

### AC Power

The MIXXMaker is available as a 100 to 120V AC model or a 220 to 240V AC model, and AC power is connected to the unit via a standard three pin IEC connector, with built-in fuse and voltage change switch.

The **ARX MIXXMaker** is an intuitive, user-friendly Master mixer, capable of handling all commonly used current audio interfaces. In other words, a total solution to today's install requirements.

## Applications

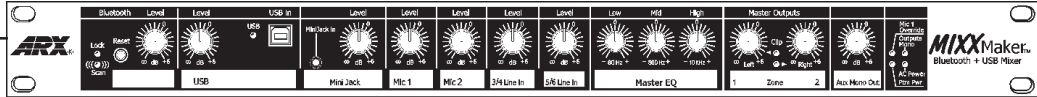
- Clubs /Gyms /Karaoke /Restaurants
- Industrial Paging/BGM Systems
- AV Systems
- Broadcast Submixers
- Sound Reinforcement
- ...and much, much more

## Features

- ✓ Bluetooth receiver, plus USB and MiniJack inputs!
- ✓ Plus 2 x Balanced XLR Mic / Line Inputs
- ✓ Plus 2 x stereo Line In channels
- ✓ Front panel USB connector and Mini Jack input for mp3 player
- ✓ Global 3 way EQ control
- ✓ Switchable Phantom power
- ✓ Switchable push-to-talk with a Priority override ducker for Mic channel 1
- ✓ User-friendly layout in 1 RU package
- ✓ Flawless performance in any audio environment

Our policy is one of continuous improvement, and therefore designs may change without notice. However, unless otherwise stated, specifications will always equal or exceed those previously given.

## Specifications



### Microphone inputs

Balanced XLR Connectors

### Stereo Line Inputs

Buffered Line inputs on RCA type (Phono) connectors  
Front panel 3.5mm Mini Jack

### Mic Priority

Switchable Channel 1 override; attenuates all other channels 20dB

### Input Gain

Variable 0dB-60dB on Mic/Line channels by rear panel trim control, plus Mic/Line (-20dB) input switch

### Channel Level

∞ to +6dB Gain

### Channel Pan

True L & R constant level Control

### Global EQ

**Low** 100Hz 15dB Cut/Boost Shelving  
**Mid** 800Hz 15dB Cut/Boost Bell, Broad Q  
**High** 10KHz 15dB Cut/Boost Shelving

### Frequency Response

20-20KHz ±1dB

### Distortion

Below .005% 100Hz to 10KHz

### Phantom Power

+48VDC switchable on all Microphone Inputs

### Bluetooth Specifications

**Range:** Approx 12 metres

### LED Indicators:

**Scan** Red LED  
Red LED Flashes

**Lock** Blue LED

**Matching/Pairing:** Blue LED Flashes

**Matched/Paired:** Blue LED On

**Bluetooth Version** V2.1 EDR, 3.0, 4.0 Note - not compatible with V1.0 or 2.0

**Frequency** 2.402 - 2.480 GHz

**Sensitivity** -90dBm @0.1% BER

### Master Outputs

Balanced XLR, 300 ohms Line Level

### Master Outputs Signal/Noise

-90dB unweighted.

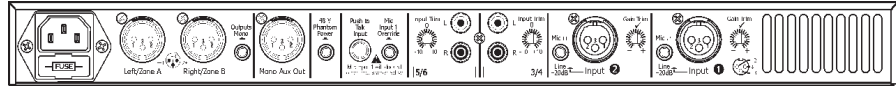
**Max Output Level** +20dB

### Power

100-120/220-240 VAC  
50/60Hz 8VA (8 watts) on 3 pin IEC connector

## Front Panel

- Bluetooth receiver controls
- USB level control and connector
- MiniJack level control and connector
- Level controls for Mic channels 1 and 2
- Level controls for Line In 3/4, 5/6
- Global Low, Mid and High EQ controls
- Master Output Level Controls
- Status LEDs
- Numbered marker panels for labelling channel assigns



## Rear Panel

- Balanced XLR Input socket, channels 1 and 2. Pin 2 HOT +, Pin 3 Cold -, Pin 1 GROUND
- Input Mic/Line switch (-20dB pad) and Gain trim controls. 12 o'clock indicates optimum standard microphone setting
- Left and Right stereo Line in 3/4, 5/6 RCA (phono) connectors. Centre pin +, Sleeve GROUND
- Input 1 override switch. When switched in, any signal appearing on Channel 1 will automatically duck the rest of the system by 20dB.
- Push-to-talk jack input
- Phantom Power on/off switch to all microphone inputs
- Mono Aux Out XLR connector. Pin 2 HOT +, Pin 3 Cold -, Pin 1 GROUND
- Outputs to Mono switch
- Left and Right XLR outputs. Pin 2 HOT +, Pin 3 Cold -, Pin 1 GROUND
- IEC 3 pin AC connector and integral fuseholder. Replace fuse with correct value only: 100 - 120 V AC 1 amp, 220-240 V AC 0.5 amp.

ARX Systems are based in Melbourne, Australia, where all ARX Products are assembled and tested in our 'state-of-the-art' manufacturing facility

For over 20 years ARX has designed, manufactured and supported Audio Products for Professional users and applications worldwide

## Architectural Specifications

The mixer shall be mounted into a standard 1 RU all steel chassis with extruded aluminium front panel.

It shall have two independent 3 pin female XLR balanced microphone input channels, switchable to line inputs, and two stereo line input channels on RCA type (phono) connectors. There shall be front panel level controls for the Bluetooth receiver, USB, and MiniJack inputs, and also for the stereo Line Inputs on L and R RCA type connectors

All input channels shall combine to a stereo output pair of balanced XLR connectors controlled by Global Lo, Mid and Hi EQ controls, plus Left and Right Master controls on the front panel. These outputs shall be able to be summed to mono by a switch on the rear panel

An Auxiliary Mono Output shall be controlled by a level control on the front panel  
Switchable 48v Phantom power shall be available on both microphone inputs.

The rear panel shall also have a Priority override switch for Channel 1, reducing the level of the other channels by 20dB, as well as a jack input for a push-to-talk connector.  
The Master Outputs Signal to Noise ratio shall be -90dB unweighted.

The Master Outputs impedance shall be 300 ohms.

Maximum Output Level shall be +20dB. THD shall be less than .005%, 100Hz to 10KHz.

The mixer shall be supplied in a 100 to 120V or 220 to 240V AC model, using a standard three pin IEC connector with built-in fuse change switch.

The unit shall be the ARX MIXXMaker

Latest information updates always available on the comprehensive ARX website:  
[www.arx.com.au](http://www.arx.com.au)

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