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## 102MX Quick Start Guide

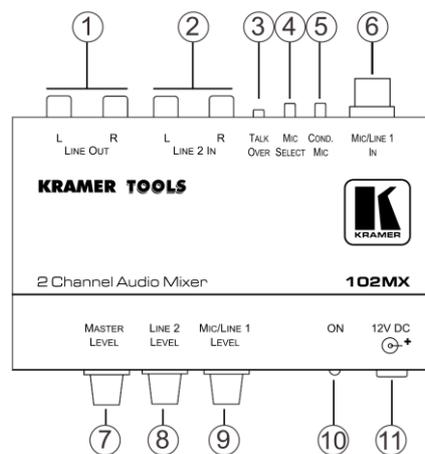
This guide helps you install and use your 102MX for the first time.

Go to [www.kramerav.com/downloads/102MX](http://www.kramerav.com/downloads/102MX) to download the latest user manual and check if firmware upgrades are available.

### Step 1: Check what's in the box

- ✓ 102MX 2 Channel Audio Mixer
  - ✓ 1 Power supply (12V DC)
- ✓ 4 Rubber feet
  - ✓ 1 Bracket set
- ✓ 1 Quick start guide

### Step 2: Get to know your 102MX

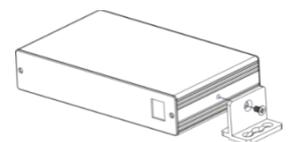


#	Feature	Function
1	LINE OUT (L, R) RCA Connectors	Connect to the right and left channels of a line level stereo audio acceptor.
2	LINE 2 IN (L, R) RCA Connectors	Connect to the right and left channels of a line level stereo audio source.
3	TALK OVER Button	Press to activate the talk-over function.
4	MIC SELECT Button	Press to select the Input 1 mic level signal, release to select Input 1 line level signal.
5	COND. MIC Button	Press for a powered condenser mic, release for an unpowered dynamic mic.
6	MIC/LINE 1 IN 6mm Socket	Connect to a mic or line level source.
7	MASTER LEVEL Knob	Use to control the mixed signal output level.
8	LINE 2 LEVEL Knob	Use to control the line 2 input level.
9	MIC/LINE 1 LEVEL Knob	Use to control the mic/line 1 input level and talk-over sensitivity.
10	ON LED	Lights when the unit is ON.
11	12V DC Connector	Connect to the 12V DC power supply.

### Step 3: Mount 102MX

Install 102MX using one of the following methods:

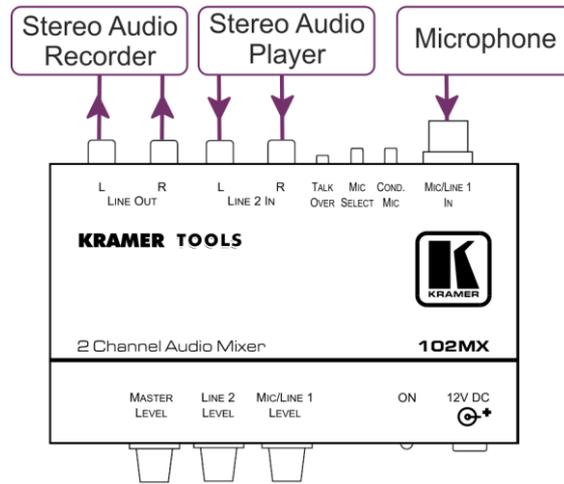
- Attach the rubber feet and place the unit on a flat surface.
- Fasten a bracket (included) on each side of the unit and attach it to a flat surface (see [www.kramerav.com/downloads/102MX](http://www.kramerav.com/downloads/102MX)).
- Mount the unit in a rack using the recommended rack adapter (see [www.kramerav.com/product/102MX](http://www.kramerav.com/product/102MX)).



- Ensure that the environment (e.g., maximum ambient temperature & air flow) is compatible for the device.
- Avoid uneven mechanical loading.
- Appropriate consideration of equipment nameplate ratings should be used for avoiding overloading of the circuits.
- Reliable earthing of rack-mounted equipment should be maintained.

## Step 4: Connect inputs and outputs

Always switch OFF the power on each device before connecting it to your 102MX.



To achieve specified extension distances, use the recommended Kramer cables available at [www.kramerav.com/product/102MX](http://www.kramerav.com/product/102MX). Using third-party cables may cause damage!

## Step 5: Connect power

Connect the power cord to 102MX and plug it into the mains electricity.

Safety Instructions (See [www.kramerav.com](http://www.kramerav.com) for updated safety information)



**Caution:**

- For products with relay terminals and GPIO ports, please refer to the permitted rating for an external connection, located next to the terminal or in the User Manual.
- There are no operator serviceable parts inside the unit.

**Warning:**

- Use only the power cord that is supplied with the unit.
- Disconnect the power and unplug the unit from the wall before installing.

## Step 6: Operate 102MX

### Using a Microphone:

1. Connect the microphone to the *MIC/LINE 1 IN* connector.
2. Press the *COND. MIC* button to use a powered condenser microphone. Release the *COND. MIC* button to use an unpowered dynamic microphone.
3. Press the *MIC SELECT* button.

### Using the Talk-Over Function:

Press the *TALK OVER* button.

**102MX** automatically inserts the mic signal and fades the source of *LINE 2 IN*. The unit becomes a fader instead of a mixer.

## Technical Specifications

Inputs:	Mic/line 1: 10mV/1.6k $\Omega$ , 1Vpp/10k $\Omega$ , on 6.5mm phone connector; Line 2: 1Vpp/10k $\Omega$ , stereo on RCA connectors
Outputs:	Line level, stereo, up to 5.6Vpp/150 $\Omega$ on RCA connectors
Bandwidth (-3db):	100kHz
Gain Range:	-12dB to 68.5dB (mic); -12dB to +8.8dB (line)
Diff. Phase:	0.05Deg.
S/N Ratio:	69dB
Control:	Mic/line 1 level, line 2 level, master level rotary controls, condenser/dynamic mic, line/mic, talkover selection switches
Audio THD+Noise:	0.018%
2nd Harmonic:	0.002%
Power Consumption:	12V DC, 40mA
Operating Temperature:	0° to +40°C (32° to 104°F)
Storage Temperature:	-40° to +70°C (-40° to 158°F)
Humidity:	10% to 90%, RHL non-condensing
Dimensions:	12cm x 7.5cm x 2.5cm (4.7" x 2.95" x 0.98") W, D, H.
Weight:	0.25kg (0.55lbs) approx.
Accessories:	Power supply, mounting bracket
Specifications are subject to change without notice at <a href="http://www.kramerav.com">www.kramerav.com</a> .	