

# talent

## Mini Portable 3-Channel Mixer with USB Audio Interface

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### WARRANTY

We at Talent are dedicated to providing our customers with professional, high quality stage and studio accessories. As such, all Talent products are warranted free from defects in material and workmanship for a period of One Year from the date of purchase.

Warranty registration is not required, but purchasers are asked to retain their receipt as proof of purchase. Warranty does not apply to misuse, abuse, neglect, accident, improper use, etc.

For complete customer satisfaction, Talent resellers are asked to act as agents for the purpose of handling warranty claims. Please return your Talent product to your place of purchase prepaid. Many Talent resellers require a return authorization (also known as an RA or RMA). Please contact your Talent reseller for more details.



Model: MIX-R

## User Manual

[www.talentaudio.com](http://www.talentaudio.com)

## Introduction

Congratulations and thank you for purchasing the Talent MIX-R portable USB mixer. It is ideally suited for a small home studio or the on-the-go recording enthusiast. At approximately 4" long and 5" wide (98 x 143 mm), the MIX-R respects your desk space, while providing a phantom-powered XLR & 1/4" combination socket, stereo USB/Line channel plus a dedicated 2-Track input.

## Main Features

1. Ultra-compact and ultra-low noise analog mixer with USB/Audio interface
2. Powered through USB or external adaptor
3. Built-in stereo USB/Audio interface to connect directly to your computer
4. Free audio recording and editing
5. State-of-the-art mic preamp comparable to stand-alone boutique preamps.
6. 2-band graphic EQ for warm and musical sound.
7. 2-Track input assignable to Headphone or Main Mix output .
8. Main Mix plus separate Phones output.
9. High-quality components and exceptionally rugged construction ensure long life.

## Unpacking

Every MIX-R has been thoroughly tested and has been shipped in operating condition. Carefully check the shipping carton for damage that may have occurred during shipping. If the carton appears to be damaged carefully inspect your units for any damage and be sure all accessories necessary to operate the system have arrived intact. In the event damage has been found or parts are missing, please contact your place of purchase for further instructions.

## IMPORTANT SAFETY INSTRUCTIONS

*Read these instructions – All the safety and operating instructions should be read before this product is operated.*

*Keep these instructions – The safety and operating instructions should be retained for future reference.*

To reduce the risk of electric shock, do not remove cover. No user serviceable parts inside. The unit should be connected to an earth grounded AC electrical socket. Do not defeat the safety purpose of the polarized or grounding plug. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet. Refer servicing to qualified personnel. To reduce the risk of fire and shock do not expose unit to rain or moisture. Clean only with dry cloth. Unplug the unit during lightning storms or when unused for long periods of time.

The unit should be operated in a well ventilated area. Minimum clearance is 2 inches from the ventilation openings. Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat. Protect the power cord from being walked on or pinched, particularly at the plugs, convenience receptacles, and at the point where they exit the unit. Only use attachments/accessories specified by the manufacturer.

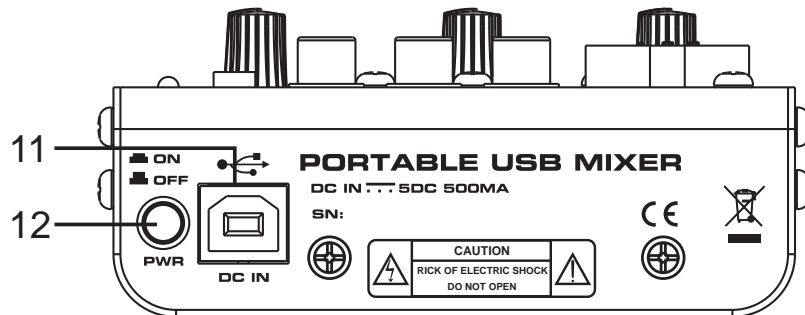
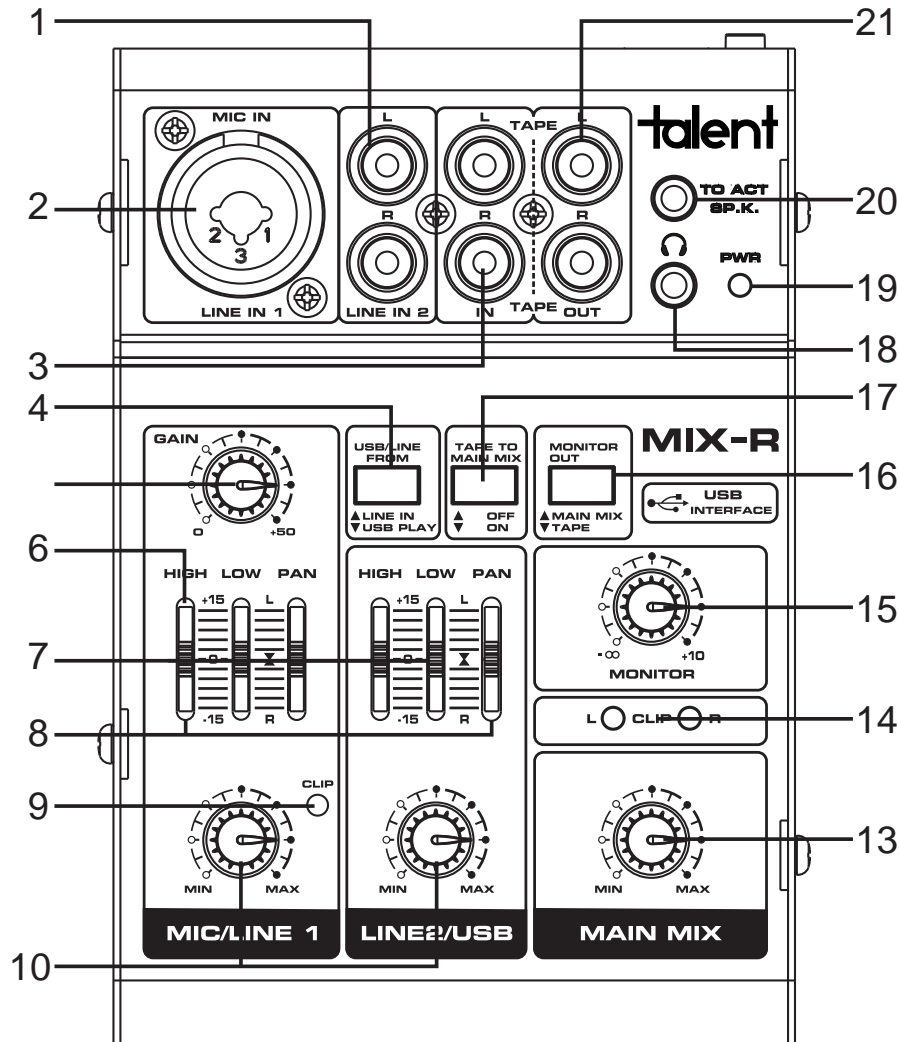


**Note:** Unit is set at the factory for 115V operation. Unit may not be adjusted or modified for 230V operation.

## SPECIFICATIONS

|   |   |   |
|---|---|---|
| Type:   | 3 Channel USB MIXER   |   |
| Frequency Response  | Mic Input to any Output (Gain @ 0 dB, Rated output level)   | 10 Hz to 40 kHz(0, -1dB)<br>10 Hz to 100 kHz(0, -3dB)                     |
| Distortion (THD&N)  | Mic Input to MAIN Output (Gain @ 0 dB, Rated output level @ 20 Hz-20 kHz bandwidth)                                     | 0.01%(A-weighted)   |
| MIC EIN (Equivalent Input Noise)  | Input: Channel INPUT MIC (Rs = 150 Ω, Gain @ Max., 20 Hz-20 kHz bandwidth)  | -118dBu(A-weighted)   |
| CMRR  | Mic in to main out (Gain @ Max., @ 1 kHz)   | 70dB  |
| Input Gain (20 Hz-20 kHz)   | Mono Channel<br>Stereo Channel  | MIC:0 to 50dB, LINE:-35 to +15dB<br>—                                     |
| Attenuation (Crosstalk) (20 Hz-20 kHz)  | Line in, 1/4" TRS Main Out, 1 kHz relative to 0 dBu, 22 Hz<br>Main Mix knob/fader @ -∞<br>Channel Level knob/fader @ -∞ | -22 kHz Filter, Gain @ unity,<br>-79dBu(A-weighted)<br>-79dBu(A-weighted) |
| Rated Output Level  | Main, monitor, tape output (all knob/fader @ 0 dBu, 1 kHz)  | 0dBu  |
| Maximum Output Level  | Main, monitor, tape output (all knob/fader @ 0 dBu, 1 kHz, 22 Hz - 22 kHz Filter, THD @ 1%)                             | +17dBu  |
| Maximum Voltage Gain (EQ and PAN/BAL knob @ 0 dB, Other all knob or fader @ max, 1 kHz, Rs=600 Ω) | Mono Channel MIC INPUT → MAIN OUT(3.5 Φ jack stereo)  | 69dBu   |
|   | Mono Channel MIC INPUT → Monitor (3.5 Φ jack stereo)  | 78dBu   |
|   | Mono Channel MIC INPUT → TAPE OUT(RCA)  | 69dBu   |
|   | Mono Channel LINE INPUT → MAIN OUT(3.5 Φ jack stereo)   | 53dBu   |
|   | Stereo Channel LINE INPUT → MAIN OUT(3.5 Φ jack stereo)   | 16dBu   |
|   | TAPE INPUT → MAIN OUT(3.5 Φ jack stereo)  | 6dBu  |
| Main mix Noise (20 Hz-20 kHz)   | TAPE INPUT → Monitor (3.5 Φ jack stereo)  | 9dBu  |
|   | MAIN OUT(all knob/fader @ 0 dBu, 22 Hz - 22 kHz Filter, Gain @ unity)   |   |
|   | Main Mix knob/fader @ -∞, Channel Level knob/fader @ -∞   | -120dBu(A-weighted)   |
|   | Main Mix knob/fader @ 0dB, Channel Level knob/fader @ -∞  | -100dBu(A-weighted)   |
| Equalization  | Main Mix knob/fader @ 0dB, Channel Level knob/fader @ 0dB   | -98dBu(A-weighted)  |
|   | Mono channels<br>High ±15 dB @12 kHz<br>Low ±15 dB @80 Hz   | Stereo channels<br>High ±15 dB @12 kHz<br>Low ±15 dB @80 Hz               |
| PEAK Indicator  | Channel1  | +15dBu  |
| VU Meters   | Main Left and Right (1-segment)   | Clip +15dBu   |
|   | Microphone Input  | 2.6k Ohms   |
| Impedance   | Line Input  | 10k Ohms  |
|   | Tape Input  | 10k Ohms  |
|   | Main Outputs  | 120 Ohms  |
|   | Phones Outputs  | 120 Ohms  |
|   | Tape Output   | 1K Ohms   |
| USB SECTION   | USB Interface   | USB 2.0 full speed compliant  |
|   | ADC & DAC   | 16-Bit Delta-Sigma, 44.1kHz Sampling Rates                                |
|   | Operating System  | Windows 2000, XP or higher, Mac OS 9.0.4 or higher, 10.X or higher        |
| Phantom power   | Mic Pin2/Pin3 And Pin1 (XLR-3-31 type balanced 1=GND, 2=HOT, 3=COLD)  | +20V  |
| Power supply  | USB Connection  | DC5V, 500mA   |
| Power Consumption   | Adaptor   | DC5V, 500mA   |
|   | 2.5W  |   |
| Physical  | Dimension W*L*H (mm)  | 100*144*42  |
|   | Weight  | 0.45Kg  |

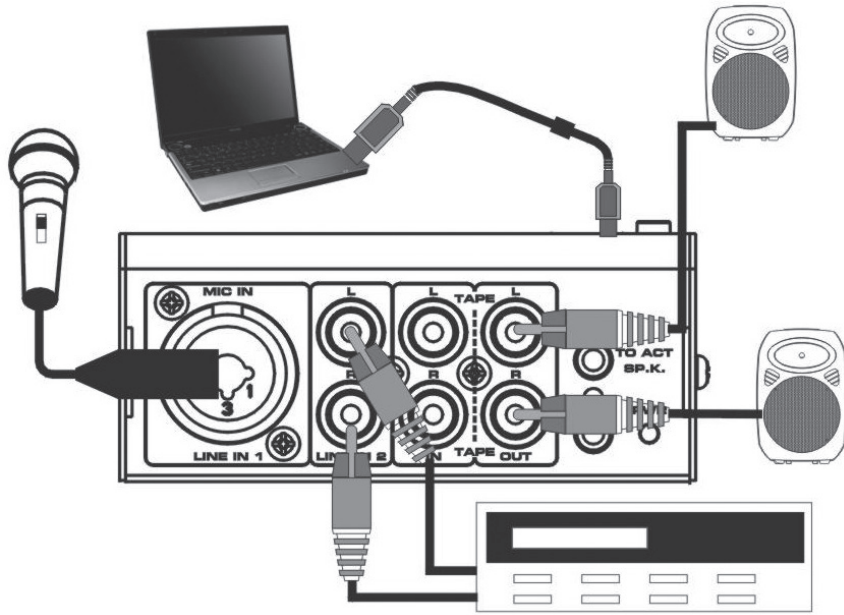
## PANEL DESCRIPTION



1. **LINE-IN 2**  
This RCA jack is used for connecting stereo line-in signal sources.
2. **MIC /LINE-IN 1**  
This combined jack can be used to connect mono signal, such as XLR microphone or 1/4 inch line level.
3. **TAPE IN**  
This RCA jack is used for connecting stereo line-in signal source.
4. **LINE-IN / USB PLAY**  
This is path control of the stereo sound source. When this control is engaged, the signal of channel 2/3 comes from usb play(computer). When the control is disengaged, the signal will be from RCA jacks of channel 2/3.
5. **GAIN CONTROL**  
This is used for adjust the gain level of mono input.
6. **HIGH**  
This treble control can be used to reduce or boost high frequencies.
7. **LOW**  
This bass control can be used to reduce or boost low frequencies.
8. **BAL/ PAN**  
This is the pan or balance control. This control is used to set the stereo effect field of the signal. Set this control in middle position, signal levels of Channel L & R will be same. When the control is set to top stop, only Channel L receives the signal, Channel R does not. Vice versa.
9. **PEAK LED**  
This is clip LED indicator of mono level. When this LED illuminates, it means that PFL mono level is clipped.
10. **LEVEL CONTROL**  
This is channel level control, which is used for adjusting the level of corresponding channels.
11. **USB PORT**  
This Type B USB port is used to connect the power supply, or computer via Type B to A connector.
12. **POWER SWITCH**  
To turn on/off the unit.
13. **MAIN MIX**  
This is main mix control used for adjusting the main mix output level.
14. **PEAK LED**  
This is main mix level clip LED. When this LED lights up, main mix level will be clipped.
15. **MONITOR**  
This is monitor control used for adjusting the monitor output level.
16. **CD/TAPE TO MONITOR**  
This is the assignment control of stereo line level. When this control is engaged, the signal of CD/TAPE will be assigned to MONITOR OUT. When the control is disengaged, MONITOR OUT will receive the signal from MAIN MIX OUT.
17. **CD/TAPE TO MAIN**  
This is the assignment control of stereo line level. When this control is engaged, the signal of CD/TAPE will be assigned to MAIN MIX OUT. When the control is disengaged, the assignment will be disconnected.
18. **MONITOR OUT JACK**  
This 3.5mm stereo jack is used to connect the stereo headphone.
19. **POWER LED**  
This LED will light up when the unit is powered on.
20. **MAIN OUT JACK**  
This 3.5mm stereo jack is used to connect the active stereo speaker.
21. **CD/TAPE OUT JACK**  
This RCA jack is used for connecting stereo tape recorder.

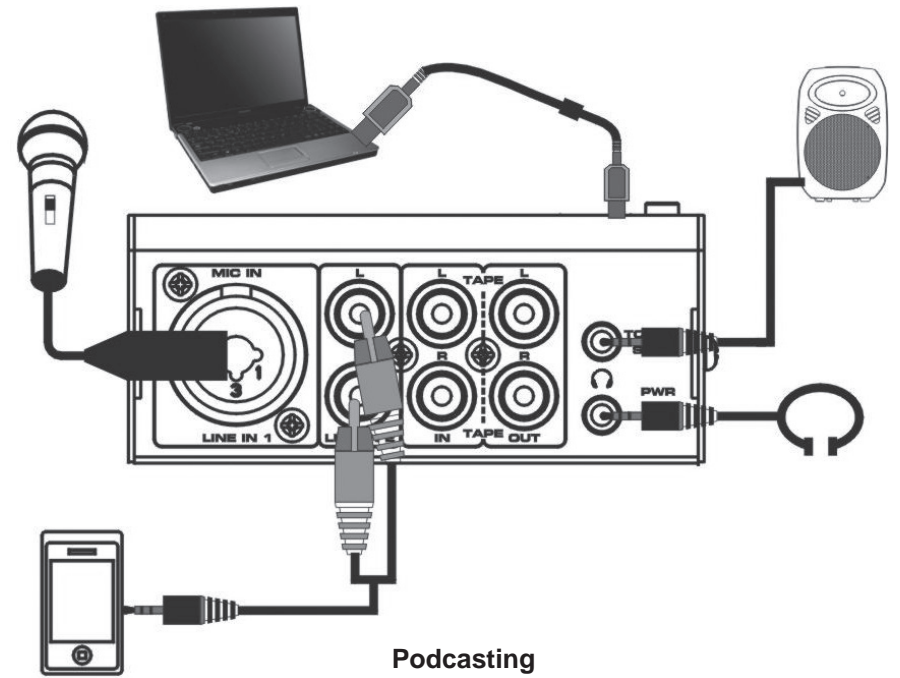


## TALENT MIX-R HOOK-UP

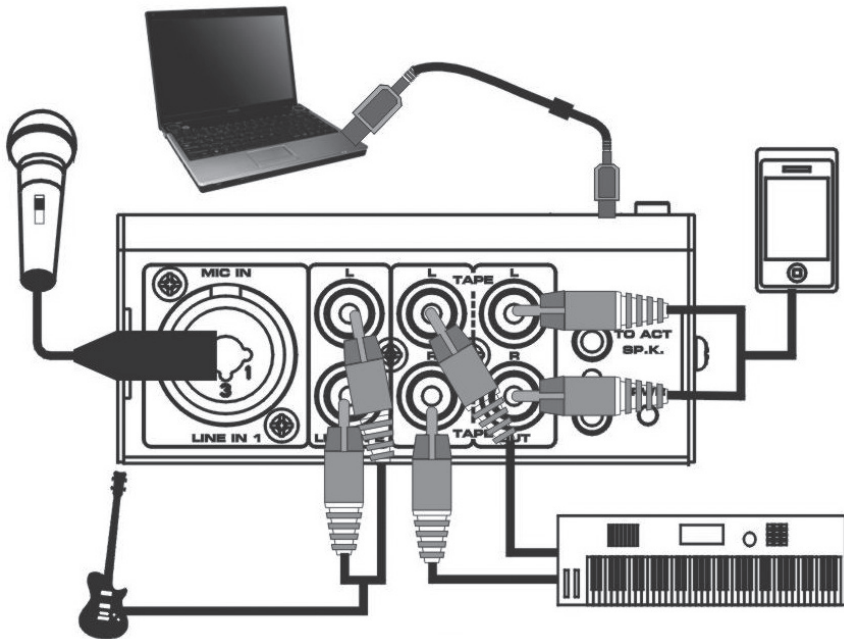


Karaoke using DVD player or computer

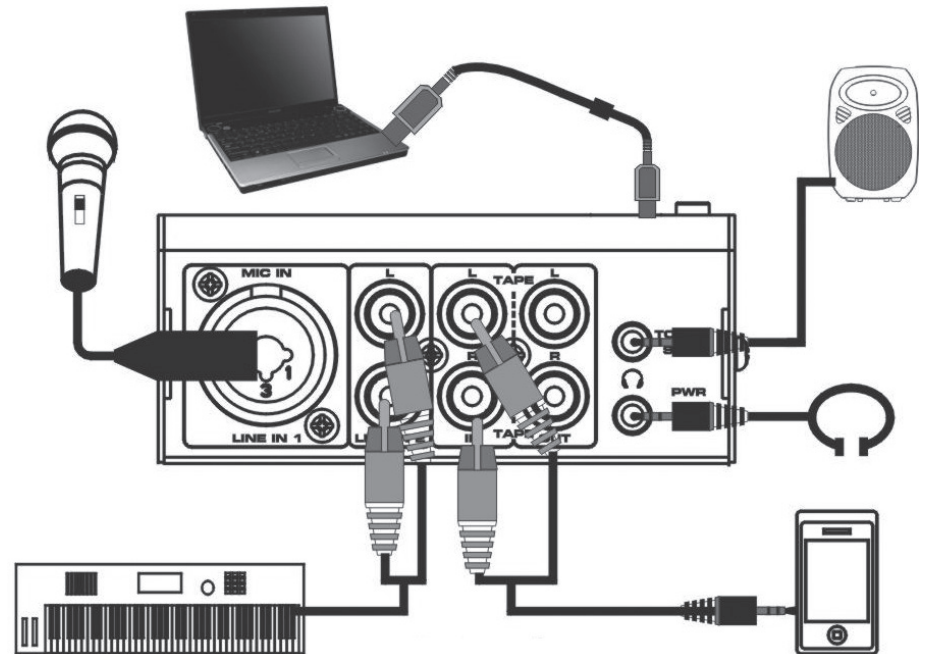
## TALENT MIX-R HOOK-UP



Podcasting



Live recording



Project studio