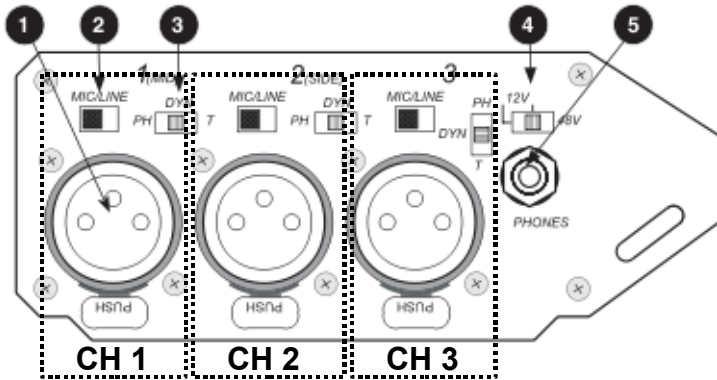


# Sound Devices 302

This information sheet is a guide to using the Sound Devices 302 Mixer.

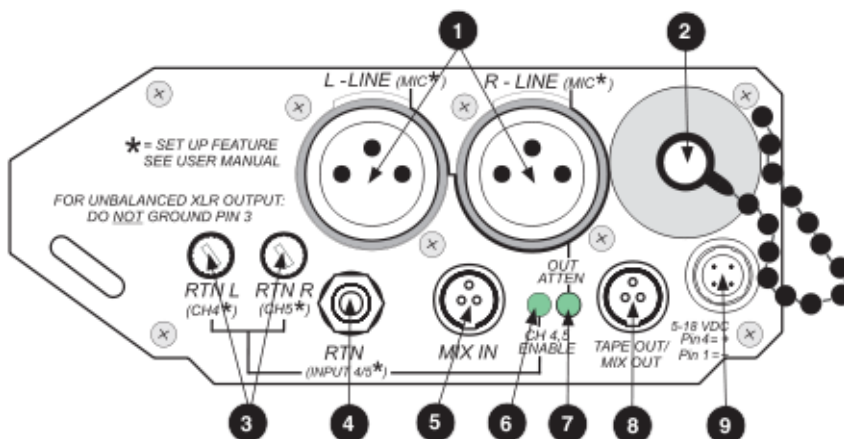
The numbered lists below give information about the parts of the mixer. They also describe a basic procedure for setting up and using it.

## Left Side (Inputs)



1. XLR input socket – plug your boom/radio mic in here.
2. MIC/LINE switch – If you're plugging a mic into the input, set this to "MIC" (slide it left).  
If you're plugging in an mp3 Player, iPhone etc. set it to "LINE" (slide it right).
3. MIC POWERING switch – Usually you will want to set this to "PH" (Phantom).  
The "DYN" setting won't send a polarizing voltage to your mic!  
**DON'T USE THE "T" SETTING! (it can damage your mic)**
4. MIC POWERING VOLTAGE switch - Set this to "48V" (slide it right).  
The other two settings only give 12 Volts (not enough for the Rode mic).
5. HEADPHONE SOCKET – Plug your headphones in here.

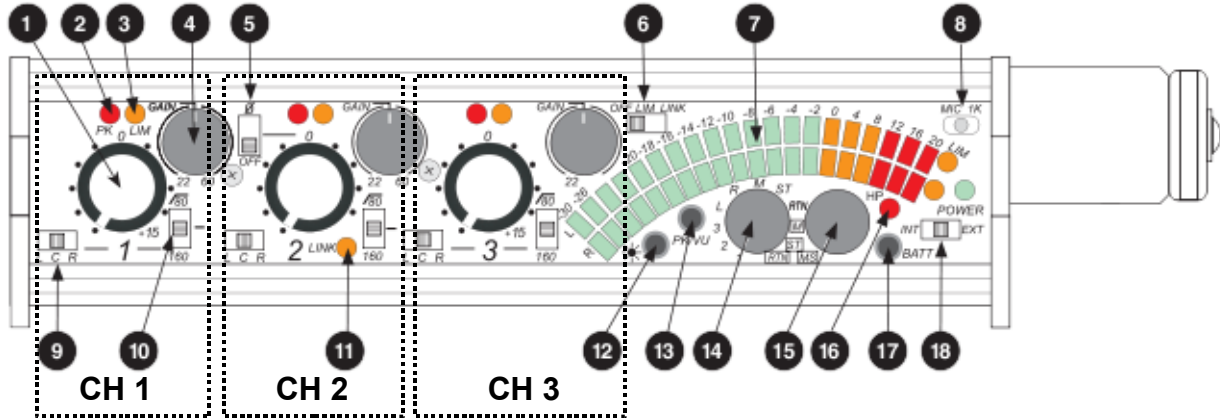
## Right Side (Outputs)



1. LEFT / RIGHT OUTPUT SOCKET – Connect these to the corresponding inputs on the camera.
2. BATTERY HOLDER – Unscrew the lid anti-clockwise. Takes 3 AA batteries. **BEWARE! SPRING LOADED!**
3. RETURN VOLUME CONTROLS – These control the volume of the two channels coming back from the camera.  
They effect the volume of the "RTN" setting of the HEADPHONE SELECTOR.
4. RETURN SOCKET – Connect this to the headphone socket on the camera.
5. MIX IN – You shouldn't need this socket. This is where you would plug in another mixer.
6. & 7. **IF EITHER OF THESE LEDS ARE LIT CONTACT THE KITROOM!**  
They signal that the output and input have been modified.
8. MIX OUT – You shouldn't need this socket. This is an extra place to plug in an external recorder.
9. EXT POWER – You shouldn't need this socket. This is where you plug in an external power supply.

CONT.

## Front (Channel Controls & Meters)



1. FINE GAIN – Use this knob to adjust the volume of each microphone when mixing!
2. PEAK LED – If this lights up, turn the ROUGH GAIN knob down a bit, the input circuit is about to clip!
3. INPUT LIMIT LED – This lights up to tell you your input is getting to loud. Turn the ROUGH GAIN knob down a bit.
4. ROUGH GAIN – Use this knob to set the mic level:  
Turn the HEADPHONE SELECTOR (14) to the appropriate channel number (CH1, CH2 or CH3).  
(The FINE GAIN (1) knob won't adjust the volume now because you are in PRE-FADE LISTEN (PFL) mode).  
Push the ROUGH GAIN knob so it pops out and you can turn it.  
Turn the ROUGH GAIN knob until your sound source (actor's voice etc.) peaks at "0" on the METER (7).  
Push the ROUGH GAIN knob back in so it doesn't get moved accidentally.  
Turn the HEADPHONE SELECTOR (14) back to "RTN" to monitor the feed from the camera.
5. PHASE – Slide this switch to "OFF" (down). When it's on, it reverses the phase of CH2.
6. LIMITER – Slide this switch to the middle position, "LIM". It's unlikely that you'll need to "LINK" your output limiters.  
**DON'T SET THIS TO "OFF"!**
7. METER – If they light up RED, turn it down a bit.  
**The "LIM" LEDs should only light up every now and then, at the really loud bits!**
8. SLATE MIC – Push to the left and hold to turn the MIC on. Push right to turn the TONE on. **MIND YOUR EARS!**
9. ROUTING SWITCH – This switch sends the input signal to the LEFT ("L") or RIGHT ("R") outputs.  
Or BOTH! ("C")
10. HIGH PASS FILTER – In normal use set this to "80" (top). Set it to "160" (bottom) if there's too much loud, low noise.  
Don't set it in the middle position (NO FILTER).
11. LINK LED – If this is lit, let the kitroom know. It shouldn't be! It means the CH1 & CH2 controls are linked together.
12. METER BRIGHTNESS – Pressing this button adjusts the brightness of the meter display.
13. PK/VU – This shouldn't do anything. If the meter changes when you press it, let the kitroom know.
14. HEADPHONE SELECTOR – In normal use this should be set to "RTN".  
When setting your levels, PFL each channel (SEE #4 ABOVE)  
If the camera is turned off and you still want to monitor your sound, set it to ST (STEREO).  
**REMEMBER TO TURN IT BACK TO "RTN"!**
15. HEADPHONE VOLUME – Push to pop it out.  
Adjust it to a comfortable level (be sure you can hear the details!).  
Pop it back in so it can't be accidentally knocked (and hurt your ears!).
16. HEADPHONE PEAK LED – If this lights the headphone circuit is clipping.  
Something needs to be turned down! (usually the headphones)
17. BATTERY CHECK – Press this to see the condition of your batteries. More LEDs lit means more power left.  
When the POWER LED flashes, change your batteries!
18. POWER SWITCH – Push left ("INT") to turn the mixer on. It takes 10 seconds to power up.