

# Sound Devices MixPre 6 II Audio Kit.



Quick Reference guide *(for use after induction)*

# The kit.

The sound kit is issued with everything you require for undertaking most sound recording projects.

**ALWAYS** return kit back to TRC in the way it was issued.



# Kit Overview.

## Mixer

1.... Sound Devices Mixer

## Microphone

2.... Rode NT rifle mic

## Radio mic kit one

3a.....Rode radio mic/windshield and clip

3b..... Rode radio mic receiver

3c.....Rode radio mic Transmitter

## Radio mic kit two

4a.....Rode radio mic /windshield and clip

4b.....Rode radio mic receiver

4c..... Rode radio mic Transmitter

## Power

5....Power bank (for mixer)

6....AA batteries (for radio mics)

7.... Boom

## 8....Accessories Bag Containing the below

9..... Headphones/Cans (DT100)

10..... Output tails (connects to camera) You can use extra XLR's to extend your distance from the camera

11....XLR (for Rode NT mic)



**CHECK YOU HAVE EVERYTHING BEFORE LEAVING TRC**



# Powering up the mixer with a power bank.



Slide Power bank into front of mixer bag  
(Make sure power lead is on the left side)



Plug power lead into USB C  
then turn on the mixer  
(Left side of mixer)



Turn on power bank

**Endurance is approx. 15 hours continuous use**

***Remember to turn off mixer when not in use***

# Loading a preset.

We have created a preset of settings saved internally on the mixer that works best for this mixer and the mics attached to it. The preset is called 'UNI'

You should ALWAYS load this preset on the initial set up of the mixer.

*Please DO NOT*

- Change the preset.
- Record over the preset.

# Loading a preset.

*The screen is touch sensitive.*



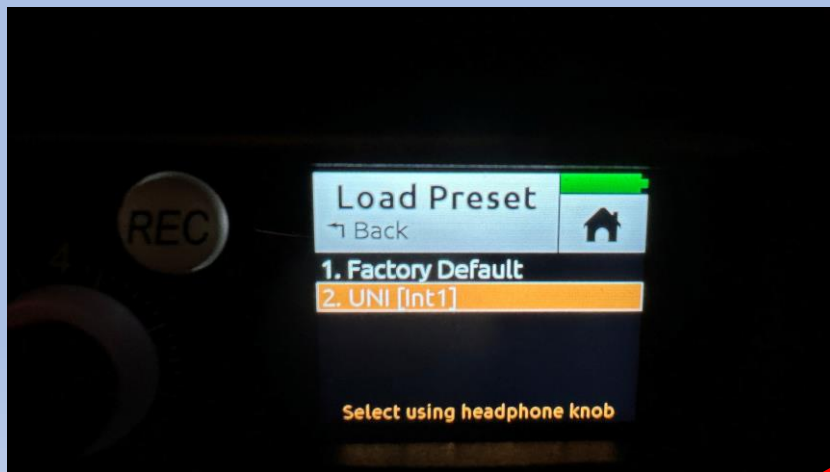
1) Press **Menu**



2) Press **Presets**



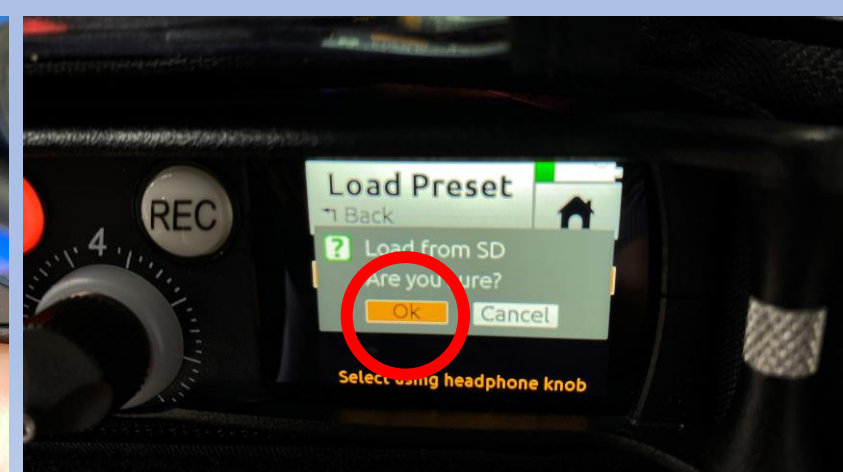
3) Press **Load Preset**



4) Navi Down to '**UNI**' using headphone volume wheel



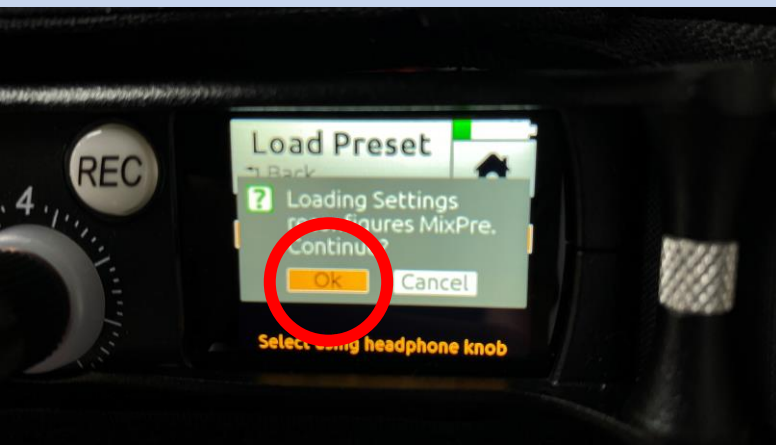
5) Then select using centre button



6) Press **OK**



# Loading a preset (cont.)



7) The mixer will now restart with the correct preset.



8) To confirm press the bottom of the screen.



9) It should now state  
**48k 25FPS 16bit.**

The mixer has now been configured as shown.





# Accessing individual channel settings

## Press in the relevant channel



Press in fader to access individual channel settings

# Common channel settings (page one)

## Channel VU meter

Audio should peak at -12db.

## Gain Control (further guidance slide 25)

Up and down buttons to increase or decrease gain.

OR

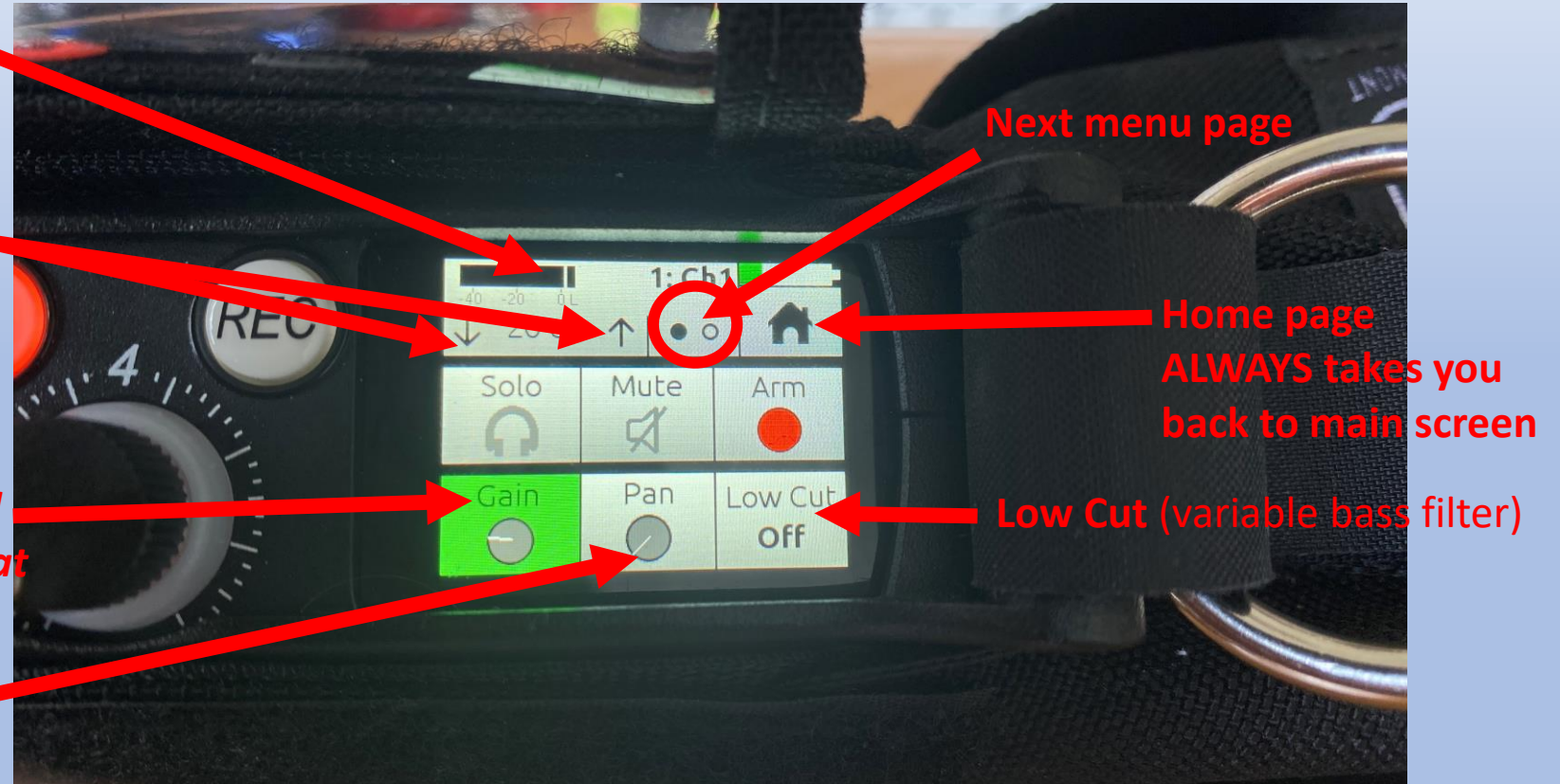
Use the volume dial on side of mixer to adjust the gain

*Gain requires to be set each time sound source changes and should always peak at -12 db.*

## Pan control

To the left sends audio to Ch1 on Camera/in centre position it sends audio to both Ch.1 and Ch.2 on the camera  
To the right sends audio to Ch2 on the camera

*The Uni presents configures the mixer as follows Ch1=left Ch2=right Ch3=left Ch4=right, thus good mic separation*





# Common channel settings (page two)

## Input options

**Mic:** Channel has a mic plugged in.

**Line:** For use when you require a feed from someone else's source - such as a sound desk, PA – at a gig/recording studio or a large event using a PA system

**Off:** Turns channel off. No sound will be received on channel



Keep linking off

## Phantom options

**48V:** the Input will provide power to a Mic which has no power source of it's own (such as the Rode NTG 5)

**Off:** No power will be supplied to mic, for use with mics with own power source such Radio mics etc

***The UNI preset sets all this for you.***

***Ch.1 Rifle mic Ch.2. Radio mic one Ch.3 Radio mic two Ch.4. Line level***



# Channel settings *NOTE.*

When using the mixer with the UNI preset, the only task you really need to perform within the channel settings is adjusting the **gain**.

You may also enable the low cut filter if required  
(to filter out low bass rumble)

All other settings are configured for you.

# Setting tone.

**These steps are vital.**

Setting tone means that whatever level we are seeing on the mixer will arrive to the camera at the correct level.



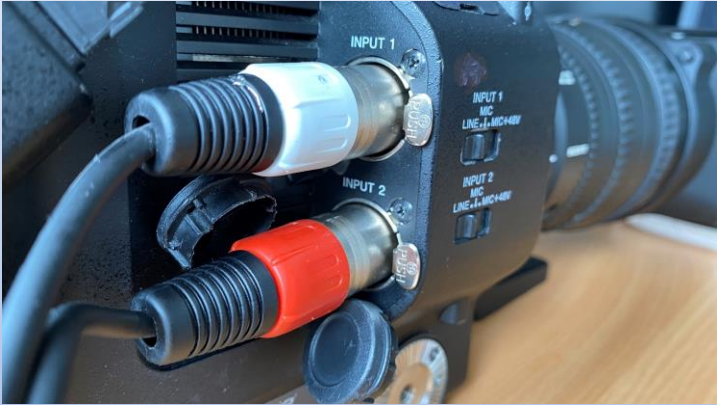
1) Plug in the tails using the 3.5mm jack into the mixer (make sure its fully pushed in)



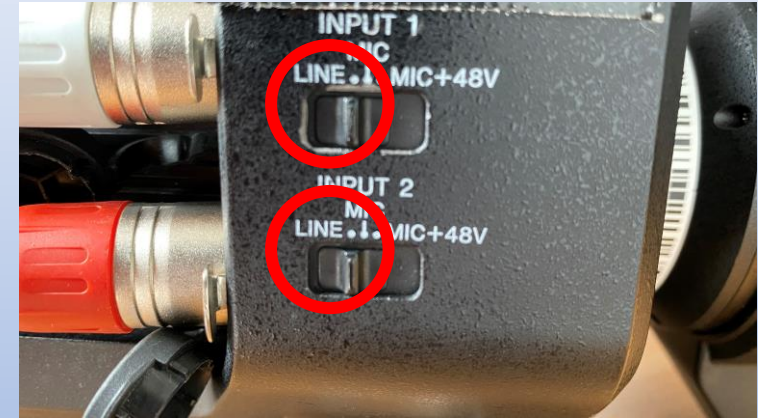
2) This socket is located on the left hand side of the mixer near the power switch (Stereo out).

***AVOID the common error of plugging it into AUX/MIC IN.***

To set tone.




3) Plug other end of tails from mixer into the camera. White into input 1 and red into input 2



4) Select **LINE** on Input 1 and Input 2



5) Press  to turn on the tone



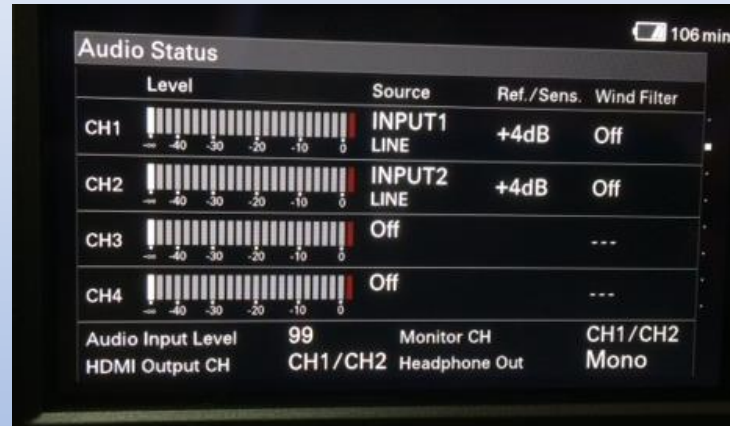
6) On camera press Status



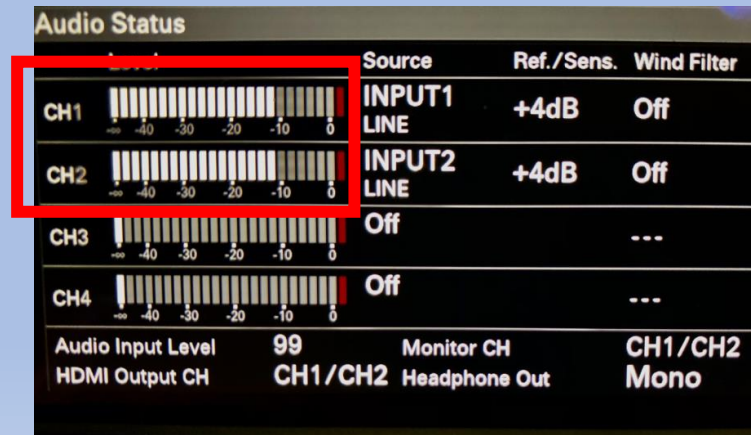
# Setting tone.



7) Use the SEL/SET NAVI WHEEL  
Scroll to page 2 of this info - the  
**AUDIO** page



8) Scroll to page 2 of this info - the **AUDIO** page



10) The Audio meter should look like  
this. **Set to minus 12db** – as pictured



9) Turn both switches to MAN  
then adjust the levels using  
the **AUDIO LEVEL** dials Turn  
them up or down to get -12db  
on both channels

# Setting tone.

- Once we have set the level of **TONE** from the Mixer to correspond to -12db on the Camera – we can be confident *that the level we send from the Mixer will be recorded in the Camera at a corresponding level- This is important*



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Audio Status			
	Level	Source	Ref./Sens. Wind Filter
CH1		INPUT1 LINE	+4dB Off
CH2		INPUT2 LINE	+4dB Off
CH3		Off	---
CH4		Off	---
Audio Input Level		99	Monitor CH
HDMI Output CH		CH1/CH2	Headphone Out
			CH1/CH2 Mono

The levels on the Mixer and the Camera must relate to one another as shown above.

Once you have set TONE you now need to check how the Camera's Inputs are set to distribute the sound it's receiving from the Mixer.

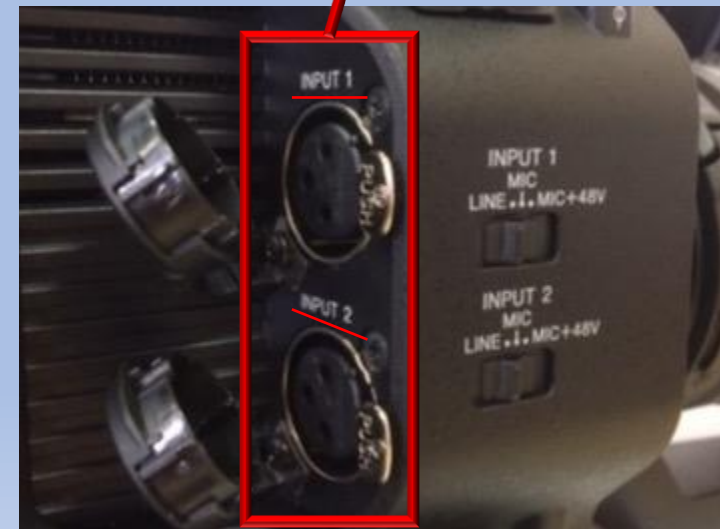
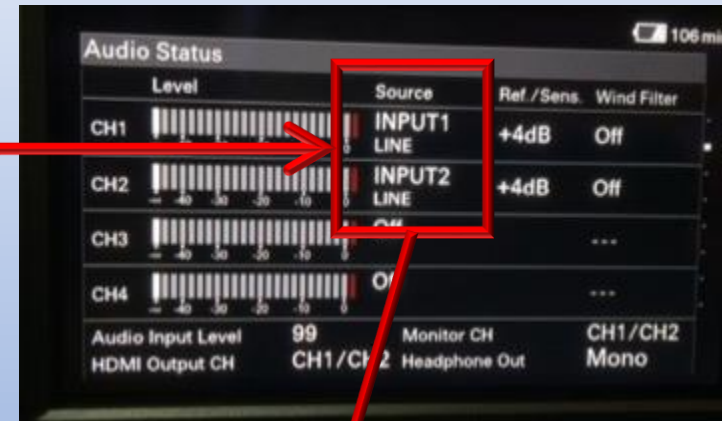
**Remember, there are only 2 places we can record sound to in the Camera – Channel 1 and Channel 2, (Input 1 and Input 2)**

We always want to record different sound sources as separately as possible – **this section of the Audio Status page shows the correct settings for this**

When this display looks like this it means that anything we have plugged into the Camera's Channel 1 Input will only go to Channel 1 and be recorded there....

....and anything we have plugged into the Camera's Channel 2 Input will only go to Channel 2 and be recorded there....

**If your Audio Status does not look like the top picture here, then you need to change it**

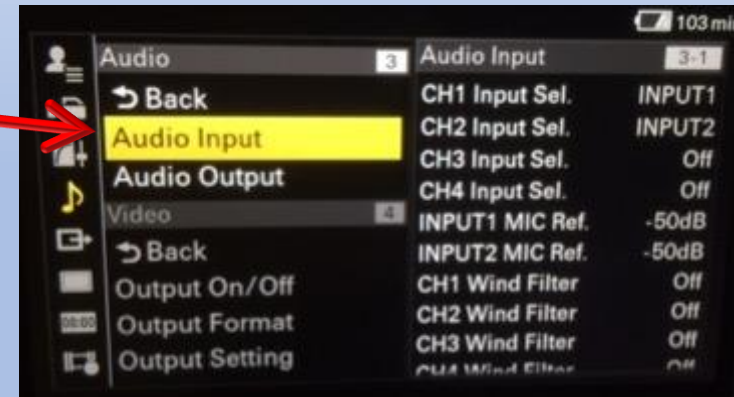




To change Audio Settings, go to the **Audio** section in the **Main Menu**



Select Audio Input



Make sure it says this – as pictured

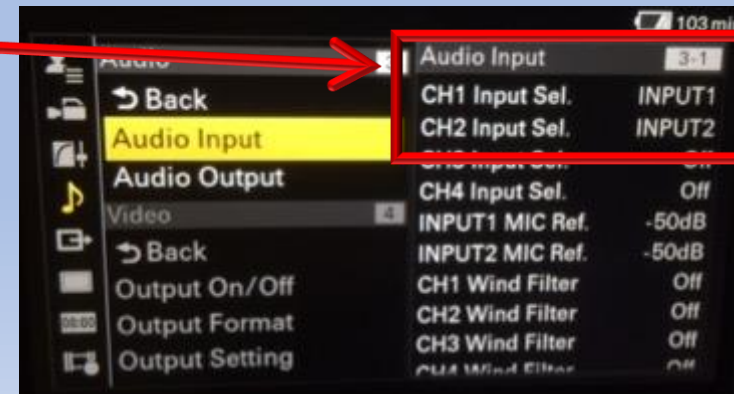
CH1 Input Sel.

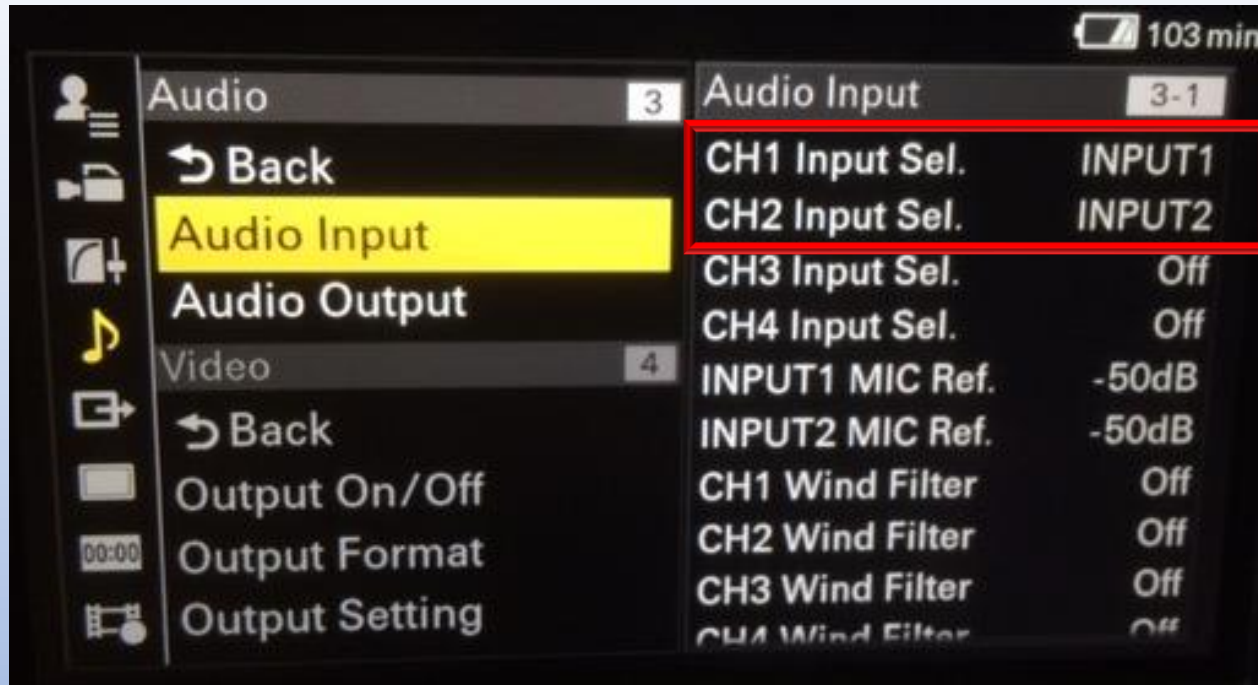
INPUT 1

CH2 Input Sel.

INPUT 2

**THIS IS IMPORTANT**





This means that anything we have plugged in ....

- the Camera's **Channel 1 Input** will only go to **Channel 1** and be recorded there....
- the Camera's **Channel 2 Input** will only go to **Channel 2** and be recorded there....

This is what we want....

# Tone (finishing steps)



Press status again to turn off the Audio status display



Press to turn off tone

The mixer and camera are now calibrated.

Its worth checking tone level from time to time during the shoot for unwanted change (normally caused by the camera operator or crew fiddling 😊)



Using microphones with the mixer

# Rode NT5 Super cardioid Shotgun mic.





# Rode NT5 Super cardioid Shotgun mic.



Plug female XLR into the Rode mic

And then



Plug male XLR into the mixer  
(Left hand side of mixer Ch1)



# NT5 Super cardioid Shotgun mic

When we loaded the 'UNI' preset it configured Ch1 on the mixer to use the NT5 mic as shown below..



CH1 Audio is panned fully to the left (meaning audio from this channel will be sent to camera input 1 ONLY)



CH1 input has been set to MIC Level

CH1 has been set to 48v (phantom power) this is required for the RODE NT5 Mic

# Setting level, using gain



1. Ensure the mic is plugged into CH.1



2. Increase fader to mid position  
12 o clock



3. Press fader in to access  
channel settings



4. Increase or decrease the **gain** so  
your audio is peaking -20db  
You can also use the volume dial



5. Press fader in to  
return to home and  
Display VU meters



6. Now you can ride the fader  
the audio always needs to peak  
at around -20db, remember **GREEN** is good.....

# Clipped/distorted Audio... **RED IS BAD**



If your level goes into the red your audio will be clipped/distorted. If this happens it cant be fixed. Therefore always ride you levels within the 20db range and keep in the **green** as much as possible.



Using the RodeLink wireless mics.

(RodeLink Wireless Mic) kit includes 2 pairs



**Ch.2 and Ch.3 pre- configured for use (if  
Uni preset is used)**

# RodeLink Wireless Mic components



**\*PLEASE DON'T LOOSE SMALL ITEMS, USE THE BAG\***



# Preparing for use



1) Push in button on rear and slide back open



2) Insert 2x AA batteries into each unit (RX and TX)



3) ENSURE RX is set to 0 Db and TX is set to +20 Db



4) Plug and screw in mic into the TX Unit

# Settings and Pairing



5) Press and hold power buttons for 3 seconds on TX and RX until they power up



6) Check numbers match and the units are paired



7) Un-paired units



8) To pair press the red button on the receiver



# Settings and Pairing



9) The number will begin to flash



10) Press the CH button and select a channel from 1 to 8



11) On the transmitter press the red button



12) The transmitter and receiver will now be paired/matched

***If using both two sets of radio mics ensure they are set on different Channels to prevent cross over***



# RodeLink Receivers



13) Ensure the receivers are plugged in channels 2 and 3

# Channel 2 and 3 settings

When you loaded the 'UNI' preset it configured channel 1 to use the Rode shotgun. Likewise Ch2 and Ch3 are also configured to use the Rode wireless mics. Below is for reference.

Ch. 2  
Menu 1

Gain: set to peak  
At -20Db

Panned to Left



Channel 3  
Menu 1

Gain: set to peak  
At -20Db

Panned to Right



Channel 2  
Menu 2

Input: Mic

Phantom: Off



Channel 3  
Menu 2

Input: Mic

Phantom: Off





# Setting levels for Ch2 and Ch3 (Rodelink mics)



*REFER TO SLIDE 12 ITS  
THE SAME PROCEDURE*





# Muting radio mics and powering down.



Press the mute button to turn mute on or off.



When muted button power buttons turn red and the speaker symbol has a line through it.



Press and hold the power button on the receiver and transmitter to turn off

# Rodelink mics **Notes.**

- Always use fully charged batteries.
- Turn off mic/receiver when not in use.
- Keep receiver and transmitter within line of sight for better reception.
- Effective range up to 30 meters.
- If using both two sets of radio mics ensure they are set on different channels to prevent cross over.
- Turn mobile phones to 'Flight mode' to reduce interference.
- Keep the kit dry.
- Please don't lose small parts (clips, wind jammer) USE the bag.

# Monitoring the audio

After the initial set up of the mixer we **MUST** now plug the headphones (cans) directly into the camera.

Use headphone extension lead in kit  
If required (Length 5m)



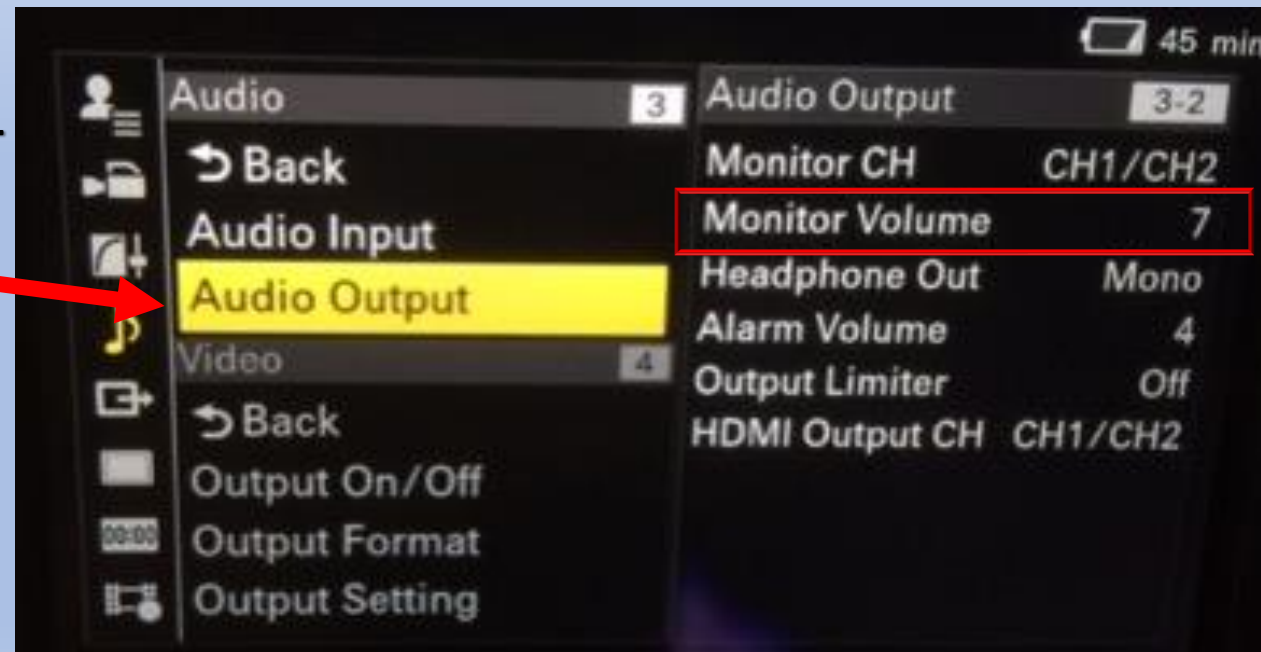
This step is vital as monitoring from the camera proves the audio is being sent from the mixer to the camera. It is often referred to as 'End of chain monitoring' or 'Return'

**You should monitor the audio from the camera whenever possible.**



# Adjusting the volume on the camera.

Do this in the **AUDIO OUTPUT SECTION** of the **MAIN MENU**



Increase or decrease to desired volume, **AVOID high volume to protect your ears**

# Monitoring direct from mixer

Headphone Socket



Volume control

# Returning the kit



- Remove the power bank from mixer and AA's batts from mics/transmitters
- Neatly coil cables and stow together with the headphones in the accessories bag.
- Ensure all small parts of radio mics are in bag
- Report any damage or faults to TRC



# Common problems

- **The mixer wont turn on.** Make sure mixer power switch is on and then press the power bank on button
- **No sound is arriving to the camera.** You have plugged the tail into the wrong socket on the mixer (refer to slide 13)
- **Audio is only coming out the left or right headphone.** The is normal as the audio is being panned to the left or the right.
- **Crackle or interference can be heard.** Close faders that are not in use.
- **The radio mic or receiver wont power up.** Batteries are inserted incorrectly
- **Levels are correct but headphones seem very low.** Turn up volume on camera
- **No sound to Radio mic receiver.** Not paired correctly or mic is muted

# For Technical Support

Please contact Mike Booth

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Happy Sound Recording!