

# WIRELESS LAVALIER KIT

## SENNHEISER EW100 G3

1. The kit may contain multiple TRANSMITTERS that will allow you to connect to the lavalier microphone, a shotgun microphone OR a handheld microphone and one RECEIVER
2. Turn on the RECEIVER (connects to recorder or camera), press SET button
3. To reset the unit to factory default:
  - a. SET > ARROW to **ADVANCED** > SET > ARROW to **RESET** > SET > ARROW to YES > SET
  - b. ON/OFF button to exit menu
4. Scan for best frequencies
  - a. SET > ARROW to **EASY SETUP** > SET > ARROW to **SCAN NEW LIST** > SET > Wait/Scanning Progress Bar > When complete press SET > SET again to save
  - b. ON/OFF button to exit menu
5. Sync the RECEIVER with the TRANSMITTER (connects to the lavalier microphone)
  - a. RECEIVER: SET > ARROW to **Sync** > SET
  - b. TRANSMITTER: ON
  - c. Battery doors open on both units, face to face, 1' or closer. A check mark will appear when done
  - d. ON/OFF button to exit menu
6. Adjust TRANSMITTER Level:
  - a. Attach the lavalier microphone to the subject
  - b. Connect the lavalier microphone to the TRANSMITTER
  - c. SET > ARROW to **Sensitivity** > SET
  - d. Mic your subject and have them speak normally
  - e. ARROW the level up and down until the meter (AF/2nd to the left) on the RECEIVER is bouncing half way up the scale below -12dB
  - f. SET to store your setting
7. Set RECEIVER levels:
  - a. Plug RECEIVER to your recording device (camera, mixer, recorder)
  - b. SET > AF Out > SET > ARROW the level up and down until the meter of the your recording device is half way up the scale below -12dB
8. Adjust the input level on your camera:
  - a. If using a DSLR, set to manual audio, one click above off
  - b. Other devices, be sure it does not exceed -12 dB

- Other RECEIVER settings:
  - SQUELCH adjustments: set to **LO** unless there's interference. HI and MID will decrease your range
  - **PLT (Pilot tone)** set to **ACTIVE** so the receiver can detect the transmitter:
    - **MENU > ADVANCED > PILOT TONE > ACTIVE**

## TROUBLESHOOT

- MUTE button off?
- RF frequencies, electricity, cell phones can cause interference.
- Batteries? Alkaline batteries lasts 4 hours
- Ankle transmitter
- Change receiver's position

## IF USING H4n RECORDER

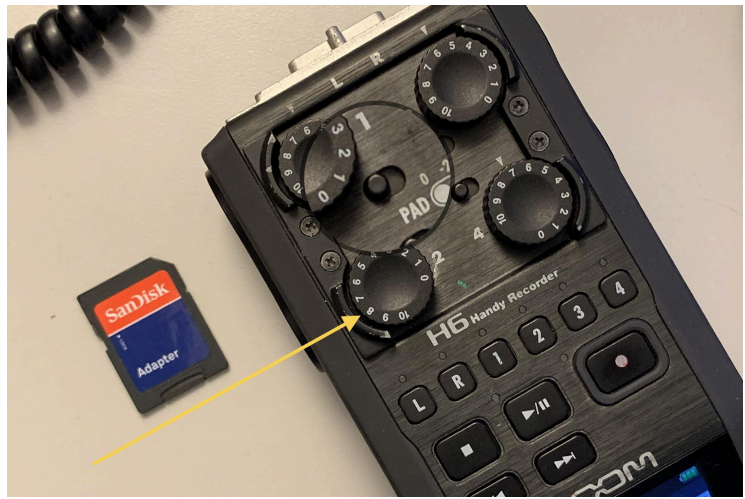
- Turn on monitor
- Format SD card: Press **MENU** on the right > toggle wheel to **SD CARD** > push the wheel to select **FORMAT > YES > MENU** to exit
- Settings:
  - **MENU > INPUT > MONITOR > ON**
  - Scroll to **MONO MIX > OFF**
  - Scroll to **½ LINK > OFF**
  - Scroll to **PHANTOM > +48v** if you need to power your microphone, otherwise **OFF**
  - **MENU** to exit
- Select your **INPUT (MIC/1+2 buttons)**
- Press **REC** once to put in standby
- Plug in your headphones and listen for levels and quality
- Do not exceed -6dB mark for levels; Dialogue should be around **-12dB**.
- Press **PLAY/PAUSE** or **REC** button to record
- Playback test recording to verify
- LINK to the operation manual:

[https://www.zoom-na.com/sites/default/files/products/downloads/pdfs/E\\_H4nSP.pdf](https://www.zoom-na.com/sites/default/files/products/downloads/pdfs/E_H4nSP.pdf)

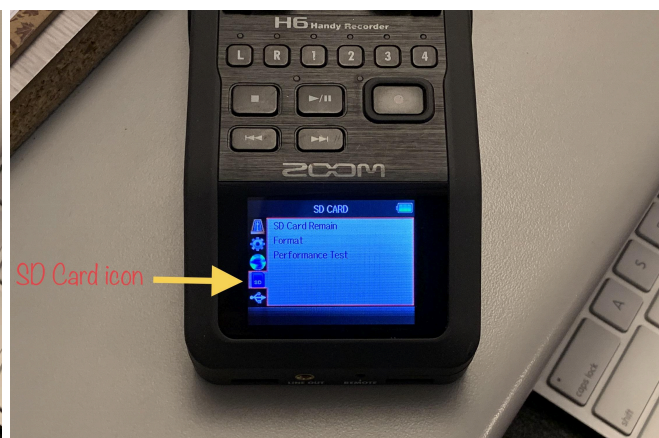
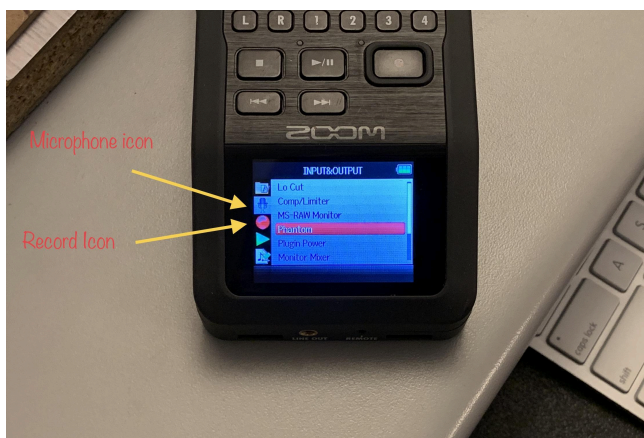
## IF USING H6 RECORDER

- Power on Recorder
- Format SD card: Press **MENU** on the right > toggle wheel to **SD CARD icon (image below)** > push the wheel to select **FORMAT > YES > Press MENU** to exit
- Connect Lav Mic **Receiver** to Track 2 and 3 (as Tr 1 usually reserved for boom mic).

- Make sure the receiver antenna is pointing to the ground and the receiver is attached to your belt/pants.
- Phantom Power
  - **MENU** > **Microphone** icon > Phantom > On/Off > select track(s) where you plug in your mic > Select On > Menu back > Menu back > Select **Voltage** > +48V



- Plug in your headphones and listen for levels and quality.
- Test the level of the talent's line by asking them to say their line.
- Do not exceed -6dB mark for levels; Dialogue should be around **-12dB**.
- Use the **wheels** to adjust the gain (level) of the audio (see image), with 0 the silence, 10 the maximum.
- Press the Record (**red dot**) to record (you only press it once, unlike the H4n).
- Use PAD (0, -20) according to the environment.
  - Use (-20) for outdoor/noisy environment.
- Avoid audio peaking by looking at the **meter** on the screen.
  - To avoid clipping, keep the level **below -6db**.
  - If the audio clips, the **red light** will flicker above the Track number.



## IF DIRECT TO DSLR

- Set the DSLR **CAMERA** to manual audio AND recording level to 1 click above "off"
- Attach the shoemount adapter to the **RECEIVER** and mount it to the camera
- Connect the CL1 jack cable to the **RECEIVER** and the **CAMERA** MIC INPUT