NanoLockit

QUICK START **GUIDE**

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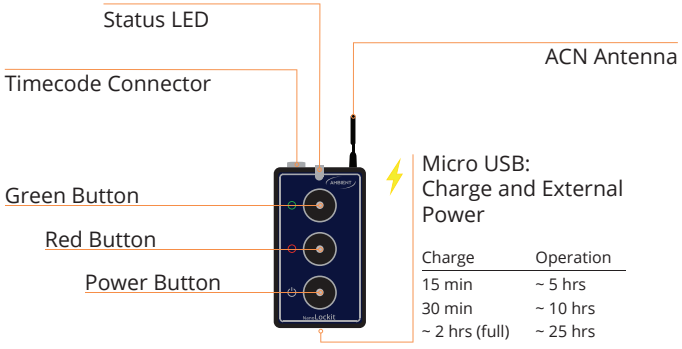


Charge	Operation
15 min	~ 5 hrs
30 min	~ 10 hrs
~ 2 hrs (full)	~ 25 hrs

Status LED Codes

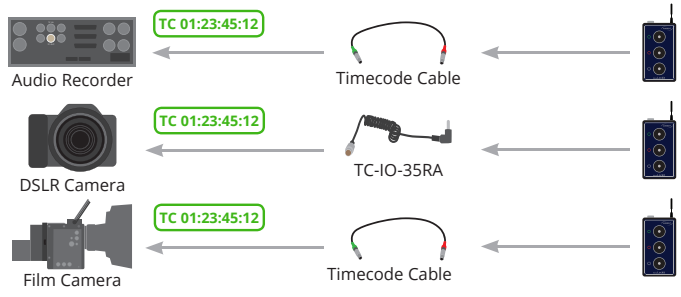
flash
blink

Mode	1 sec	2 sec
ext. power, idle, charging		
ext. power, idle, fully charged		
int. power, lo bat		
Generator Mode:		
idle, no TC out, RTC lost		
idle, no TC out, RTC OK		
generator set, TC out		
generator set, TC out, lo bat*		
generator set, TC level reduced		
TRX Mode:		
idle, no TC on input or ACN		
TX (LTC/MTC via cable)		
RX (LTC/MTC over ACN)		

*ca. 30 min left

Example Setup

goal: sync timecode (TC) and frame rate (FPS).

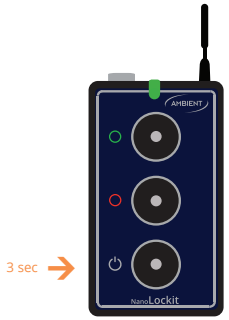


NOTE: Required cable depends on connected device. E.g. TC-IO for ARRI, LTC-Out/Epic for RED, LTC-Out for CBMC, Canon, Panasonic, Sony. Please check our website.

1 Turn On all NanoLockits

Press the power button on all NanoLockits for 3 seconds until the LED lights up green. Then release and LEDs start to flash.

Holding the power button on start for 10 seconds until the LED lights up red will load these factory defaults:
TC level full, 25 FPS, ACN channel 18



NOTE: On start a valid RTC will be indicated by LEDs flashing red/green, a lost RTC by flashing red.

The NanoLockit will always start up with last active frame rate and output muted.

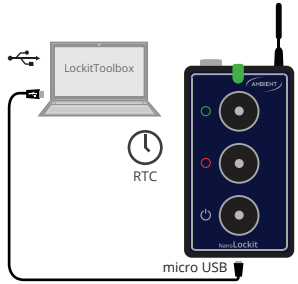
To activate the output and to jam other Lockits with the internal Real Time Clock (RTC), proceed with step **3.**

To adjust RTC and frame rate, proceed with step **2A.** To sync TC and FPS from an external device, proceed with step **2B.**

2A Set the Internal Clock (RTC)

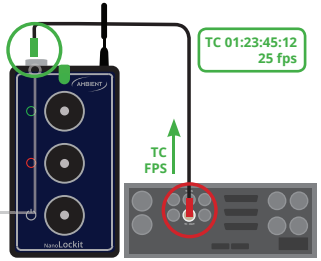
Use the LockitToolbox to adjust RTC, frame rate, and various settings.

(available for PC and Mac at nanolockit.com).



2B Set TC from External Source

To sync your NanoLockit from an external device connect it to its timecode output with the appropriate cable. When the LED starts flashing green you can disconnect the cable.

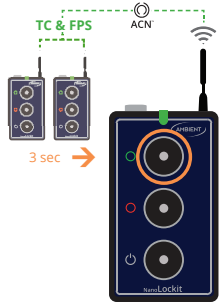


External jamming sets the TC and FPS while activating the LEMO output.

3 Set and Jam from RTC or TC

Press the green button for 3 seconds until LED double blinks green.

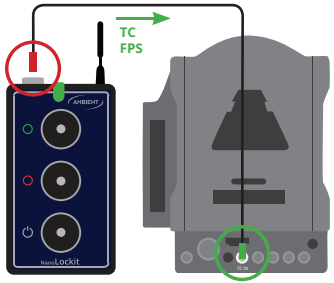
This sets the TC and FPS, wirelessly syncs all other NanoLockits, and activates their outputs. Units will flash green in sync after jam.



4A Sync Your Devices

Option A

Device with timecode interface: connect NanoLockit to TC input.

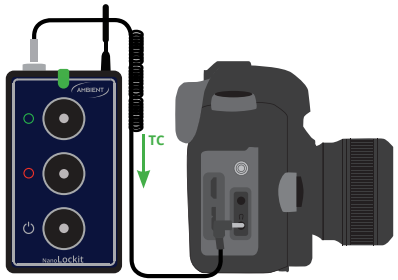


NOTE: Adjust the device menu settings to accept external timecode. Please check the manufacturer's manual.

4B Sync Your Devices

Option B

DSLR & cameras without timecode interface: connect NanoLockit with audio input and set audio level. TC signal will be written on audio track.



Learn more about the NanoLockit and watch helpful tutorials at nanolockit.com and ambient.de/en/university.

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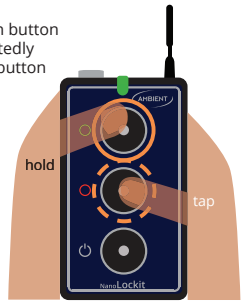
www.nanolockit.com/guide

Setting the TC Audio Level

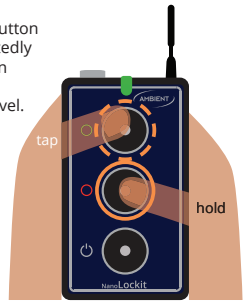
Track levels must be set correctly:

1. Manually set the camera audio input level to 50% of the range.
2. Adjust the NanoLockit TC output level so the meter falls between –30 dB to –20 dB.

Hold green button and repeatedly press red button to reduce level.



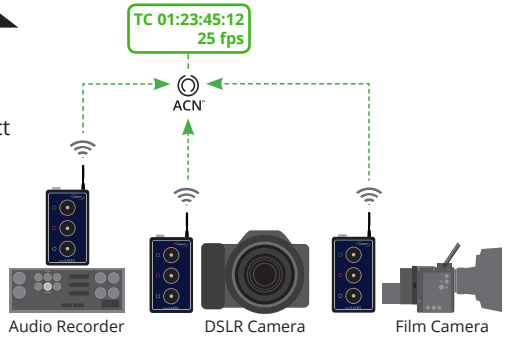
Hold red button and repeatedly press green button to increase level.



5 Final Setup

Congratulations!

All your devices are now in perfect timecode sync.



Turn Off

To switch off the NanoLockit, press and hold the power button for 5 seconds until the LED lights up red.

NOTE: Power down your NanoLockit manually after charging/supplying with external power to avoid battery drain when not in use.

SPECIAL TRX Mode

NOTE: Source timecode and Lockits are not synchronized. This may lead to drift between source and receivers on long takes. Do not use for standard sync situations.

Only intended for sending a prerecorded timecode to slates or remotely start/stop recorders via external record run timecode.

Start all NanoLockits by holding the red button and tap the power button. The units will blink in TRX idle mode.

Timecode from an external source can now be sent from one device to other devices. This external source must be permanently connected to this NanoLockit via TC input or MIDI USB.

The NanoLockits will now automatically start and stop their generators along with the source.