



ULTRASync ONE

LTC Timecode & Genlock for camera & audio • Long-range RF



Super compact. Lightweight. The flexibility to configure as a transmitter timecode server or as a receiver client device. The battery life allows a run time to easily last the longest shooting day. Integrating the most features to enable advanced timecode and sync options for multicamera workflows. UltraSync ONE is the smallest and most cost-effective, RF-powered wireless timecode and genlock/wordclock solution on the market.

Full sync power - miniaturized

The UltraSync ONE is small in size, but rich in features: highly accurate, wireless timecode, genlock and word clock all in one product. Configure UltraSync ONE as a timecode transmitter or receiver. Set the transmitter to generate timecode internally, or to follow external timecode. You can even use the SYNC port for a second LTC, genlock or word clock output. Or alternatively jam to house timecode or an OB truck. The UltraSync ONE can provide timecode to any device with an LTC input, and can also record mic level audio timecode onto a spare audio track for those that don't.

Long range reliability

The uncongested sub GHz RF network guarantees completely accurate synchronisation with a range of up to 200m. Outside of that, receiving devices will free-run reliably, until they are back within range of the transmitting unit. This two-way RF communication not only makes UltraSync ONE a highly reliable timecode solution, it also opens up the added ability to monitor and control units using the Timecode Systems' BLINK Hub app when in timecode receive mode to a transmitting Timecode Systems' :pulse or Atomos AtomX SYNC module with Ninja V.

The power of 25 hour battery life

With 25 hours battery life from a single charge - that's with RF, genlock and the OLED display all running at full capacity - the UltraSync ONE is guaranteed to last a full shooting day. And even with all this extra power, it's still unbelievably small and light.

A smarter solution

UltraSync ONE brings new levels of portability, versatility and ease of use to wireless timecode synchronisation, with compact proportions, a 128 x 32 high resolution OLED display, professional locking miniature DIN connectors for timecode IN/OUT and Genlock OUT, a USB C Connector for firmware updates and battery charging, and concealed internal diversity antennas all built in.

Simple setup. Multiple applications

Whether you're working in a multicamera environment with timecode and genlock, need a solution for your VR rig or are using DSLRs, UltraSync ONE can adapt to fit your workflow - it's the most versatile solution available. The RF network allows for complete workflow flexibility, with no restrictions on what combination of products are used - sync multiple UltraSync ONE units with each other or combine them into a wider timecode network using other Timecode Systems products. The Atomos AtomX SYNC module works on the same RF network, allowing you to bring wireless timecode sync to Ninja Vs, alongside other cameras and sound recorders on set.

ULTRASync ONE - Technical specifications

Weight and Dimensions	
Weight	39g (1.38 oz)
Dimensions (W x H x D mm)	55 (w) x 44 (h) x 17 (d) mm
Cooling	Passive
Power	
Power	Has an internal battery, and is charged/powered via USB C
Battery Type	Li-ion
Voltage	Battery 3.7v, USB 5v
Capacity	800 ma/h
Run time	25 hours +
Operating power	Less than 1 watt
Compatible batteries	n/a
DC Input	5V USB, Type C connector
Wireless RF	
Range	The typical range for synchronisation with a master is approximately 200m (656 feet, 219 yards). This range is based on an uninterrupted line of sight. If there are obstacles between a server and client, the range can be reduced.
Frequency	865.050MHz to 923.200MHz
Number of Channels	Up to 14 (Region dependant)
Antenna	Internal antennas with diversity reception capability.
General	
Timecode accuracy	TCX0 0.5ppm when free running. In practice, approximately 1 frame drift in 24 hours. Zero ppm when RF locked to a server configured device
Frame rates	23.976, 24, 25, 29.97, 29.97DF, 30, 30DF
What's in the box	
Included	1 x UltraSync ONE 1 x USB C Charging cable 2 x Mini DIN to BNC 2 cables
Compatible batteries	n/a
Warranty	1 year

ULTRASync ONE Compatibility	
Apps	Type
BLINK Hub	iOS and MacOS control hub, running on Timecode Systems :pulse product
SYNC NETWORK page (on ATOMX SYNC/Ninja V)	Shows as a device on the Ninja V menu system

Hardware	Type
All legacy TCS products	:pulse, :wave, :minitr+ etc
UltraSync ONE	LTC and Genlock outputs, sync generator/receiver
AtomX SYNC	Atomos AtomX module for Ninja V
SyncBac PRO	GoPro HERO 4/6/7 Black
Zoom H3-VR	VR Audio Recorder
Zoom F8	Field Audio Mixer Recorder
Zoom F8n	Field Audio Mixer Recorder
Zoom F6	Field Audio Mixer Recorder

To Order		
Product Name	SKU	EAN/Barcode
Ultrasync One US/CAN Version	ATOMSYON01-US	0814164022491
Ultrasync One ROW Version	ATOMSYON01-ROW	0814164022507