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Tentacle Sync TE1-MK2

Tentacle Sync E MKII User Manual

Model: TE1-MK2

1. Introduction

The Tentacle Sync E Timecode Generator with Bluetooth is a compact, lightweight, and powerful device designed to enhance audio and video synchronization. This next-generation device builds upon the original Tentacle, offering innovative features within a newly-designed body. It is user-friendly and represents a natural evolution of its predecessor, the Octopode. A key feature is its Bluetooth connectivity, allowing for wireless operation and setup. The Sync E utilizes Bluetooth Low Energy for easy monitoring and setup, boasting an impressive battery life of up to 35 hours. Connectivity is seamless; simply bring your phone near the device to link it with the dedicated app. The Sync E lacks a built-in display, leveraging your smartphone as the primary user interface for monitoring and setting up with frame-accurate timecode display.

2. Package Contents

Figure 2.1: Overview of the Tentacle Sync E MKII package contents, including the device, cables, and accessories.

The Tentacle Sync E MKII (Single Set) package typically includes the following items:

- One Tentacle Sync E MKII Timecode Generator
- One USB-C cable for charging and data transfer
- One 3.5mm mini-jack cable for timecode I/O
- One hook-and-loop fastener set for mounting
- Color-coded rubber bands for identification
- Quick Start Guide
- Protective pouch

3. Key Features

- **Unmatched Accuracy:** Less than 1 frame drift in 24 hours due to a high-precision TCXO, ensuring reliable timecode synchronization even in temperatures ranging from 30 to 85 degrees Celsius.
- **Versatile Compatibility:** Supports SMPTE timecode frame rates including 23.98, 24, 25, 29.97, 29.97DF, and 30, allowing seamless integration with various professional audio and video equipment.
- **Extended Operating Time:** Up to 35 hours of operation with the built-in lithium polymer battery, rechargeable via USB-C in approximately 1.5 hours, minimizing downtime.
- **Easy Integration:** Features an integrated hook surface on the back for quick attachment and connects via a mini jack socket for streamlined timecode input/output.
- **Smartphone Connectivity:** Dedicated iOS and Android apps enable remote control and monitoring, enhancing

workflow efficiency and providing real-time status updates on your mobile device.

4. Setup Guide

4.1 Charging the Device

Figure 4.1: The Tentacle Sync E MKII connected to a USB-C charging cable. A small LED indicator shows charging status.

Before first use, fully charge your Tentacle Sync E MKII. Connect the provided USB-C cable to the device's USB-C port and plug the other end into a standard USB power adapter or computer USB port. The LED indicator will show charging status (e.g., solid red for charging, green for fully charged). A full charge takes approximately 1.5 hours.

4.2 Initial Pairing with Smartphone App

The Tentacle Sync E MKII is designed to be controlled and monitored via its dedicated smartphone app (available for iOS and Android).

1. Download the "Tentacle Sync" app from your device's app store.
2. Ensure Bluetooth is enabled on your smartphone.
3. Turn on the Tentacle Sync E MKII device.
4. Open the Tentacle Sync app. The app will automatically detect nearby Tentacle devices.
5. Select your device from the list to pair. Follow any on-screen prompts within the app.

Figure 4.2: Front view of the Tentacle Sync E MKII, showing the main body and the Tentacle Sync logo.

Note: The device does not have a built-in display; all settings and monitoring are done through the smartphone app.

4.3 Mounting the Device

Figure 4.3: Rear view of the Tentacle Sync E MKII, highlighting the integrated hook surface for mounting.

The Tentacle Sync E MKII features an integrated hook surface on its back, allowing for quick and secure attachment to various surfaces using the provided loop fasteners. This design facilitates easy integration with camera rigs or other equipment.

Figure 4.4: The Tentacle Sync E MKII mounted on a professional camera rig, demonstrating its compact size and integration.

5. Operating Instructions

5.1 Powering On/Off

Figure 5.1: Side view of the Tentacle Sync E MKII, indicating the location of the power switch and the 3.5mm mini-jack port.

Locate the power switch on the side of the device. Slide the switch to the 'ON' position to power on the unit. The status LED will illuminate. To power off, slide the switch to the 'OFF' position.

5.2 Timecode Synchronization

The Tentacle Sync E MKII generates and receives SMPTE timecode.

1. Connect the Tentacle Sync E MKII to your camera or audio recorder's timecode input/output using the provided 3.5mm mini-jack cable.
2. Use the Tentacle Sync app on your smartphone to set the desired frame rate (e.g., 23.98, 24, 25, 29.97, 29.97DF, 30).
3. Initiate synchronization through the app. The device will automatically sync with other Tentacle devices or an external timecode source.
4. Monitor the synchronization status and timecode display directly within the app.

Figure 5.2: The Tentacle Sync E MKII with a 3.5mm mini-jack cable connected, ready for timecode input/output.

Tip: For optimal performance, ensure all Tentacle devices are within Bluetooth range of your smartphone during setup and monitoring.

6. Maintenance

- **Cleaning:** Use a soft, dry cloth to clean the device. Avoid using abrasive cleaners or solvents.
- **Storage:** Store the device in a cool, dry place away from direct sunlight and extreme temperatures. When storing for extended periods, ensure the battery is partially charged (around 50%) to prolong its lifespan.
- **Battery Care:** Recharge the battery regularly, even if not in use, to maintain battery health. Avoid fully discharging the battery frequently.

7. Troubleshooting

Problem	Possible Cause	Solution
Device not powering on.	Battery is depleted.	Charge the device using the provided USB-C cable.
Cannot connect to smartphone app.	Bluetooth is off; device is off; app issue.	Ensure Bluetooth is enabled on your phone. Power on the Tentacle Sync E MKII. Restart the app or your phone.
Timecode not syncing.	Incorrect cable connection; wrong frame rate; external device issue.	Verify the 3.5mm cable is securely connected. Check frame rate settings in the app. Ensure the external device is configured correctly for timecode.

Problem	Possible Cause	Solution
Short battery life.	Battery degradation; extreme temperatures.	Ensure full charge cycles. Avoid operating in extreme temperatures. If issues persist, contact support.

8. Specifications

Product Dimensions	6.7 x 4.5 x 2.5 inches
Item Weight	6.4 ounces (0.4 Pounds)
Model Number	TE1-MK2
Batteries	1 Lithium Polymer battery (included)
Battery Life	Up to 35 Hours
Hardware Interface	Bluetooth 5
Headphones Jack	3.5 millimeters
Compatible Devices	Devices with 3.5mm Audio Input Jack, Timecode-compatible Devices
Supported Frame Rates	23.98, 24, 25, 29.97, 29.97DF, 30 SMPTE timecode

9. Warranty and Support

For detailed warranty information, please refer to the warranty card included with your product or visit the official Tentacle Sync website. For technical support, troubleshooting assistance beyond this manual, or service inquiries, please contact Tentacle Sync customer support through their official channels.
Official Website: www.tentaclesync.com

10. Important Safety Information

- Do not expose the device to water or excessive moisture.
- Avoid dropping or subjecting the device to severe impacts.
- Do not attempt to disassemble or repair the device yourself. Refer to qualified service personnel.
- Use only approved charging cables and power adapters.
- Keep out of reach of children.

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[pdf] User Manual Quick Start Guide Guide

Tentacle Sync E Quick Start Guide Manual Quickstartguide Timecode Generator GmbH QuickStartGuide 130 50 KBBuy SYNC mk2 Smart Bluetooth TE1 MK2 AF Marcotecmarcotec shop media LensrentalsSync KBQUICK START GUIDE TIMECODE INPUT OUTPUT will automatically switch off after 2 hours if no cable is connected SWITCH ON MICROPHONE BLUETOOTH LEDBuy MarcotecSync QuickStartGuidelensrentals product assets d420c241 0736 4733 be6b b9568295400b srsltid AfmBOorbVinxe E14x0 gv6jBdXq9tAhdd2SNKIze1VOBI9kQG3C8GHmarcotec LensrentalsTentacle LEDQUICK gv6jBdXq9tAhdd2SNKIze1VOBI9kQG3C8GHlensrentals AfmBOooTpvS iTe37heNZjZK K0FqNeCwCm1OyM1hMLY1gNrXqk2yZynmarcotec KBSync MarcotecTentacle QuickStartGuideSync QuickStartGuidemarcotec sklep pl |||

QUICK START GUIDE TIMECODE INPUT / OUTPUT Tentacle will automatically switch off after 2 hours if no cable is connected. SWITCH ON MICROPHONE Short hold Tentacle will start in Red Mode. Now it waits to jam-sync to external timecode. Long hold 3 seconds Tentacle will start in Green Mode. It ge...

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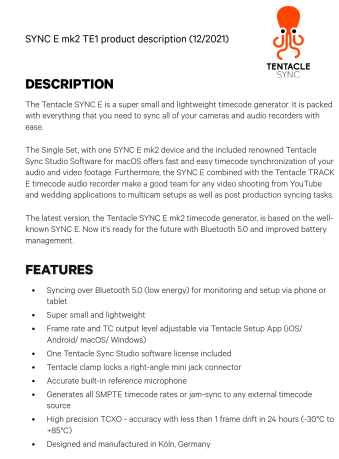

SYNC E mk2 TE1 product description (12/2021)

TENTACLE SYNC

DESCRIPTION

The Tentacle SYNC E is a super small and lightweight timecode generator. It is packed with everything that you need to sync all of your cameras and audio recorders with ease.

The Single Set, with one SYNC E mk2 device and the included renowned Tentacle Sync Studio Software for macOS offers fast and easy timecode synchronization of your audio and video footage. Furthermore, the SYNC E combined with the Tentacle TRACK E timecode audio recorder make a good team for any video shooting from YouTube and wedding applications to multicam setups as well as post production syncing tasks.

The latest version, the Tentacle SYNC E mk2 timecode generator, is based on the well-known SYNC E. Now it's ready for the future with Bluetooth 5.0 and improved battery management.

FEATURES

- Syncing over Bluetooth 5.0 (low energy) for monitoring and setup via phone or tablet
- Super small and lightweight
- Frame rate and TC output level adjustable via Tentacle Setup App (iOS/ Android/ macOS/ Windows)
- One Tentacle Sync Studio software license included
- Tentacle clamp locks a right-angle mini jack connector
- Accurate built-in reference microphone
- Generates all SMPTE timecode rates or jam-sync to any external timecode source
- High precision TCXO - accuracy with less than 1 frame drift in 24 hours (-30°C to +85°C)
- Designed and manufactured in Köln, Germany

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SYNC E mk2 TE1 MK2 product description 12 2021 Pro Gear SAThe Tentacle is a super small and lightweight timecode generator It packed with everything that you need to sync all of your cameras audio progearsa co za index dispatch attachments getfile attachment id 972 srsltid AfmBOortYVg8Rdyrpyyq1HWzImsdYL 8oLKaPoBFO 0uRsCB81BnAfxU SASYNC audio WHAT S IN THE BOX 1 x mkII Bluetooth™ functionality Mini jack cable 90° angled for syncing devices TRS progearsa 0uRsCB81BnAfxUprogearsa AfmBOoqgkFYaIFtX6l30vYJQDwmvB2xwupJhBXevcMjpOnDTy9v3Nxsj ||| ||| SYNC E mk2 TE1 product description 12/2021 DESCRIPTION The Tentacle SYNC E is a super small and lightweight timecode generator. It is packed with everything that you need to sync all of your cameras and audio recorders with ease. The Single

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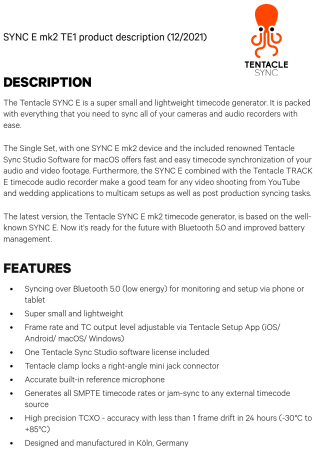

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