

TTL Trigger Box

Precision TTL signal trigger hardware with BNC connectors and USB-C connectivity. Built for timing-critical applications where synchronization between systems is essential.

TYPE	INTERFACE	CONNECTORS	AVAILABILITY
Custom Hardware	USB-C	BNC In / Out	For Sale

OVERVIEW

PRODUCT NAME	TTL Trigger Box
CATEGORY	Signal Timing / Test Equipment
BUILD TYPE	Custom — Made to Order
AVAILABILITY	For Sale
USE CASE	Serial trigger box with TTL-level signals

TECHNICAL SPECIFICATIONS

SIGNAL STANDARD	TTL (Transistor-Transistor Logic) — 0V / 5V logic levels
I/O	TTL Input + TTL Output
CONNECTOR TYPE	BNC (Input & Output)
HOST INTERFACE	USB-C (Serial)
COMMUNICATION	Serial over USB-C
POWER	Bus-powered via USB-C

FEATURES

- TTL In and Out via BNC connectors for precise signal routing
- USB-C host interface — connects to any modern PC or Mac
- Acts as a serial trigger box for timing-sensitive test setups

HARDWARE

- Enables synchronization between multiple systems or instruments
- Tested and verified with Quincy software
- Custom built to order — specify your exact requirements

COMPATIBILITY

TESTED WITH	Quincy
HOST OS	Any OS with USB serial support (Windows, Linux, macOS)
DRIVER	Standard USB serial / CDC driver

USE CASES

- Timing synchronization between lab instruments
- Triggering cameras, DAQ systems, or test equipment via TTL
- Serial trigger control from a PC application
- Any application requiring precise TTL-level event timing

CUSTOM BUILD INFORMATION

The TTL Trigger Box is custom-built and assembled to order. Each unit is individually crafted to ensure quality. If you have specific requirements — additional I/O, enclosure preferences, or integration needs — reach out and we can discuss what is possible.

Interested? Contact us at info@synteric.com

Visit synteric.com/index.html#contact to inquire about purchasing a unit.