



ADDAC System
 Instruments for Sonic Expression
 Est.2009

INTRODUCING ADDAC200CT CABLE TESTER

USER'S GUIDE . REV01
 March.2024



From Portugal with Love!

Welcome to: ADDAC200CT CABLE TESTER USER'S GUIDE

Revision.01 March.2024

DESCRIPTION

Introducing ADDAC's Cable Tester, a desktop utility that provides a reliable means to test the integrity of both mono jacks and ribbon cables, ensuring that every connection is secure and electrically sound.

Individual Wire Testing - Featuring the ability to test each wire within the ribbon cables independently with dedicated LEDs for every wire, providing a clear visual indication of the status of each connection, wires are also tested against their neighbouring wires to detect shorts.

This is a desktop device, we provide a long power cable so that it can still be plugged into your rack.

As a safety precaution only power this board when you need to test a cable.

Leaving it ON at all times can lead to unintended problematic misuses which, in a worst case scenario, can shorten your Eurorack PSU,



**! WARNING !
DO NOT POWER MODULES FROM THE TEST SOCKETS!!**

BUSBOARD	
	CV
	GATE
	+5v
	+12V
	-12V

BUSBOARD MONITOR

The busboard monitor leds allows the user to check the state of the busboard power lines as well as the special CV/Gate functions.

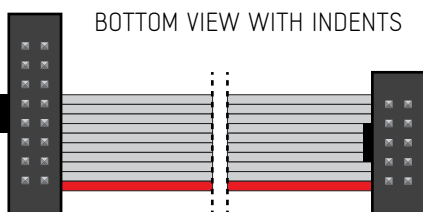
If the busboard has no +5v supply the led will be off likewise for the CV/Gate functions if not in use.

RIBBON CABLE COMPATIBILITY

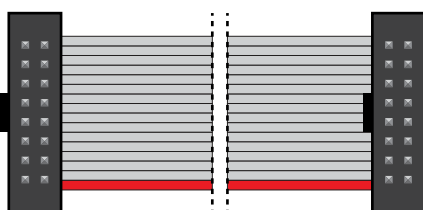
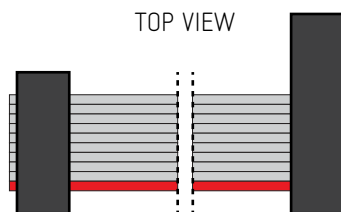
Compatible with all ADDAC System ribbon cables (power, expansions and interconnectivity: 112, 213, 807). Also compatible with any standard Eurorack power ribbon cable (2x5 to 2x8 or 2x8 to 2x8).



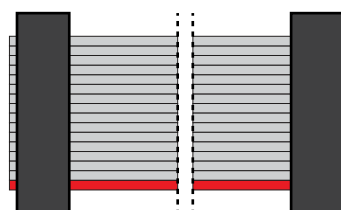
**! WARNING !
NOT ALL MANUFACTURERS FOLLOW THESE STANDARDS!
ALWAYS NOTICE THE ORIENTATION OF THE HEADERS
IF YOUR CABLE DO NOT FOLLOW THE STANDARD THEN MOST PROBABLY IS NOT COMPATIBLE.**



2x8 to 2x5



2x8 to 2x8



Tech Specs:
Desktop
30mA +12V
30mA -12V

TEST PROCEDURE

Once power is supplied the $\pm 12V$ Monitor LEDs will turn ON.
 After checking if the cable to be tested is compatible, make sure to keep the Red Stripe Down and Insert one end of the ribbon cable into the [A SIDE], then insert the other end into the [B SIDE] side.
 Next check the leds, if all leds are ON then the cable is OK.

TO ENSURE A PROPER TEST IS MADE:
ALLWAYS NOTICE THE ORIENTATION OF THE HEADERS
DO NOT TWIST CABLES
ALLWAYS USE RED STRIPE DOWN



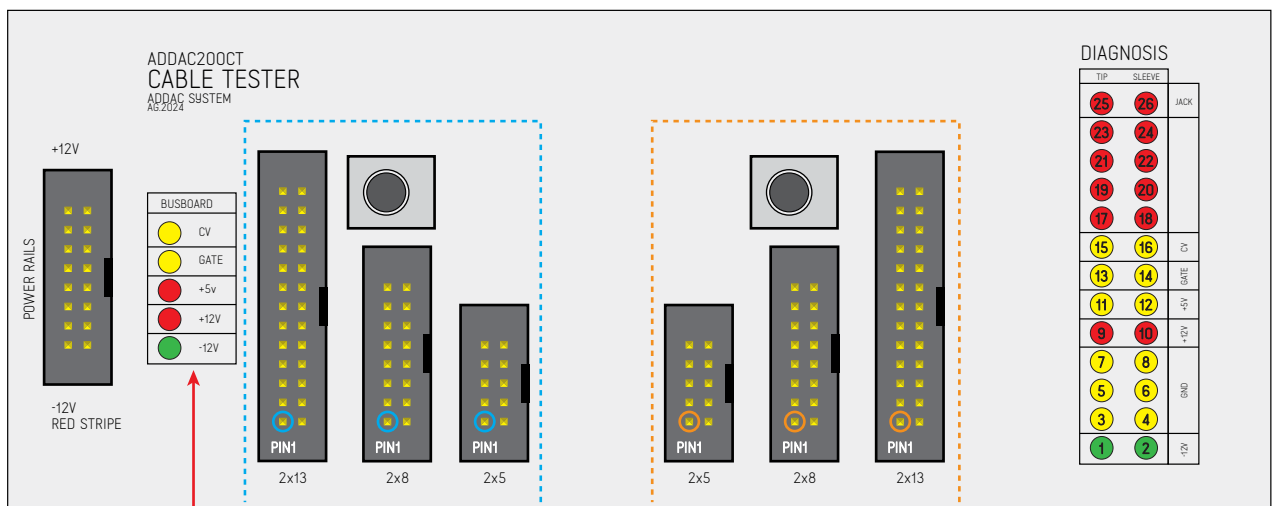
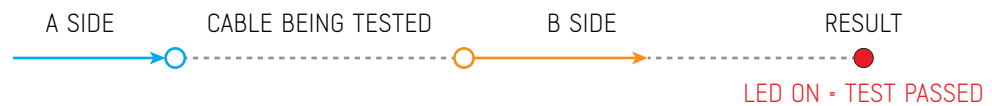
DURING TESTING IT IS POSSIBLE THAT A CABLE IS DAMAGED IN SUCH A WAY THAT ONE OR MORE WIRES ARE SHORTED, IN THIS CASE, DEPENDING ON THE WIRES IN QUESTION, SEVERAL OR ALL LEDS WILL BE OFF, IF THIS HAPPENS MAKE SURE NOT TO EVER USE THAT CABLE WITH YOUR MODULES.



THE MODULE IS PROTECTED AGAINST SHORTINGS CAUSED BY ANY FAULTY CABLES!

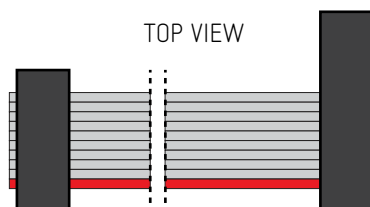
Remember that every [A SIDE] pin is tested against every [B SIDE] pin, if the cable is a power cable than even if not all leds are ON it can happen that the cable still works due to the redundancy used, as there are 2 wires for +12V, 2 wires for -12V and 6 wires for GND, if one +12V wire (ex. led 10 is off) the cable will still work as wire 9 will still provide the +12V to the module.

This principle does not apply when testing an interconnection cable, like used on our ADDAC112, ADDAC213 or ADDAC807, in this case if one wire is interrupted there's one input/output that will not work.



A SIDE

B SIDE



For feedback, comments or problems please contact us at:
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