RETRO JOY

VOLUME REV3

INSTRUCTION MANUAL

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1. INTERFACE PURPOSE

The TOM interface is designed for AMIGA, Atari ST, Atari FALCON, Atari TT, and C64/C128 computers. It allows you to connect peripherals such as a mouse, joystick, gamepad, or keyboard (including wireless versions) via USB for PCs, which do not require the installation of additional drivers (HID-compliant devices). Multiple devices can also be connected to the adapter using a single USB dongle (e.g., a mouse and keyboard). The Commodore 64/128 mouse is used in 1351 mode. Connection methods and functionality are described later in this document.

2. INSTALLATION

Depending on your needs, the adapter should be connected to the port of your choice (mouse or joystick) and should be inserted (slid into the computer port) before turning on the computer's power.**Note: Connecting the device while the computer is running may damage the computer port!**USB peripherals can be connected during operation (Hotplug mode) and can be repeatedly reconnected. During operation, the LED indicates the device's current operating status.

3. CONFIGURATION (AMIGA / ATARI / C64 C128)

The interface allows you to work in three modes:

1.Amiga (default),
2.Atari ST / FALCON / TT.
3.Commodore 64/128.

Changing the interface's operating mode is only possible using the mouse and takes approximately 1 second after turning on the computer. To change the adapter's operating mode, follow these steps:

- turn on the computer and then hold (for the entire duration of the adapter configuration):

- Left mouse button – when the adapter is to work in Amiga mode
- Right mouse button – when the adapter is to work in Atari ST/ Falcon/TT mode
- Middle mouse button – when the adapter is to work in C64/C128 mode

- and then you should press another mouse button very quickly until the diode will not turn off - and then the LED will flash briefly.•
Right – for Amiga computers – 1 flash
- Left for Atari ST/Falcon/TT computers – 2 flashes
- Left for C64/C128 computers – 3 flashes

- the adapter has been configured and you should release both mouse buttons

The entire operation must be completed within a few seconds of starting the computer. Attempting reconfiguration after a longer period of time is impossible. Correct device configuration will remember the settings and the adapter will not require reconfiguration the next time it's started.

4. USE

The adapter automatically detects the type of device connected, which is indicated by the LED as follows:

- every 2 seconds one dim – mouse,
- every 2 seconds double dim - joystick or pad, - every 2 seconds triple dim
  - keyboard.

If the LED flashes alternately, it means that the device is not connected or is not supported.

MOUSE

PC mouse key	Function performed
Left	Left mouse button
Roller (button)	Middle mouse button
Right	Right mouse button

KEYBOARD

The connected keyboard works in two modes:

- mouse emulation using
keys, - joystick emulation
using keys.

Note: Mouse emulation mode for C64/C128 is experimental (there may
be problems with correct operation).

Key	Function performed
IN	Up movement (both modes)
S	Right movement (both modes)
AND	Left movement (both modes)
D	Right movement (both modes)
About or <	Fire1 or left mouse button in mouse emulation mode
P or >	Fire2 or right mouse button in mouse emulation mode
9 or K	Autofire for Fire Button 1
0 or L	Autofire for Fire Button 2
1	Switching to mouse emulation mode (short LED flash)
2	Switching to joystick emulation mode (short LED flash)

Once you select an emulation mode, it is remembered as the default
even after a restart.

MOUSE + KEYBOARD (wireless set)

It allows you to use both devices simultaneously under the terms described
separately for the mouse and keyboard.

JOYSTICK / PAD

Joysticks and pads operate in the following modes:

- standard joystick for all computers (Amiga, Atari, C64/C128)

- mouse emulation for all computers (Amiga, Atari, C64/C128) - in CD32 mode (only for Amiga computers), this mode is supported only for games supporting this mode of operation.

Default configuration:

Button (alternative)	Joystick Mode	Mouse emulation	Amiga CD32
1 (Triangle)	Fire 1	Left button mice	Red
2 (Circle)	Fire 2	Right button mice	Blue
3 (X)			Yellow
4 (Square)			Green
5 (L1)			<<
6 (R1)			> >
7 (L2)	Autofire for Fire 1		Autofire Red
8 (R2)	Autofire for Fire 2		Autofire Blue
9			
10 (Select)			Start/Pause

The alternative description of the buttons is purely conventional and may be fundamentally different from the one presented here.

To change the pad's operating mode (joystick mode / mouse emulation) press and hold buttons 9 and 10 on the pad or joystick simultaneously and then press the button:

- 1, will switch to joystick mode,- 2, will switch to mouse emulation mode.

After pressing, the LED will dim for a moment and then blink quickly once, which means that the interface has been configured correctly and you can release all pressed buttons.

Note: Settings are not saved, so the next time you turn on your computer, the default mode will be Pad/Joystick)

The CD32 is automatically detected in joystick mode when the appropriate game is launched.

It is possible to reprogram the button settings to suit your needs, and this is done by simultaneously pressing the buttons on the pad or joystick:

- Button 1 + Button 2 + left direction and holding them for 10 seconds (the diode will start flashing quickly) we have 15 seconds to program the pad buttons by pressing 10 buttons one by one at our discretion.

5. FACTORY RESET

In case of problems with configuration, you can restore the factory settings (using the mouse only) - hold down all three buttons for 10 seconds, after which the LED will blink quickly alternately for 3 seconds and the factory settings will be restored.

6. EXTENSION CABLE

Some computers require an additional extension cable:

A500	A500+	A600	A1000	A1200	A2000	A2500	A3000	A4000	CD32
NO	NO	Yes	NO	NO	To the shop.	NO	NO	NO	NO

ATARI ST	ATARI FALCON	ATARI TT	C64	C128
Yes	Yes	Yes	Yes	NO

7. SOFTWARE UPDATE

To update, please follow these steps:

1)Download and run our UNIQUE adapter updater from: http://electronica4u.com/files/e4you_Updater.exe

2)Then connect the TOM/TOM+ adapter to the USB port of your PC
3)Press the "Connect" button

4)Select the software version you want to upload to the adapter

5)Press the "Upload firmware" button

Please watch our YouTube video to learn more: http://youtube.com/watch?v=V9Ds2-qgEjg

Requirements:

- USB Type A to A cable,

- Windows OS.