



INSTRUCTION MANUAL

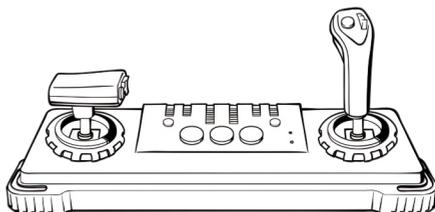
INTELLIGENT CONTROLLER

CYBER
STICK

MODEL

XE1AJ-USB

<https://www.micomsoft.co.jp>



INTRODUCTION

Thank you very much for purchasing the Dempa Publications, Inc. Intelligent Controller Cyber Stick XE1AJ-USB.

Please read this instruction manual carefully to ensure proper use. Be sure to keep the manual together with the original packaging (including the warranty card section).

If you encounter anything unclear or experience any issues during use, we hope this manual will be of help.

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1. OVERVIEW AND FEATURES

The Cyber Stick is an intelligent, high-function, high-performance controller with analog mode, originally released by Sharp Corporation for the X68000 series.

This product is a USB-connected recreation of the original Cyber Stick. It can be connected to computers or compatible game consoles that have a USB port.

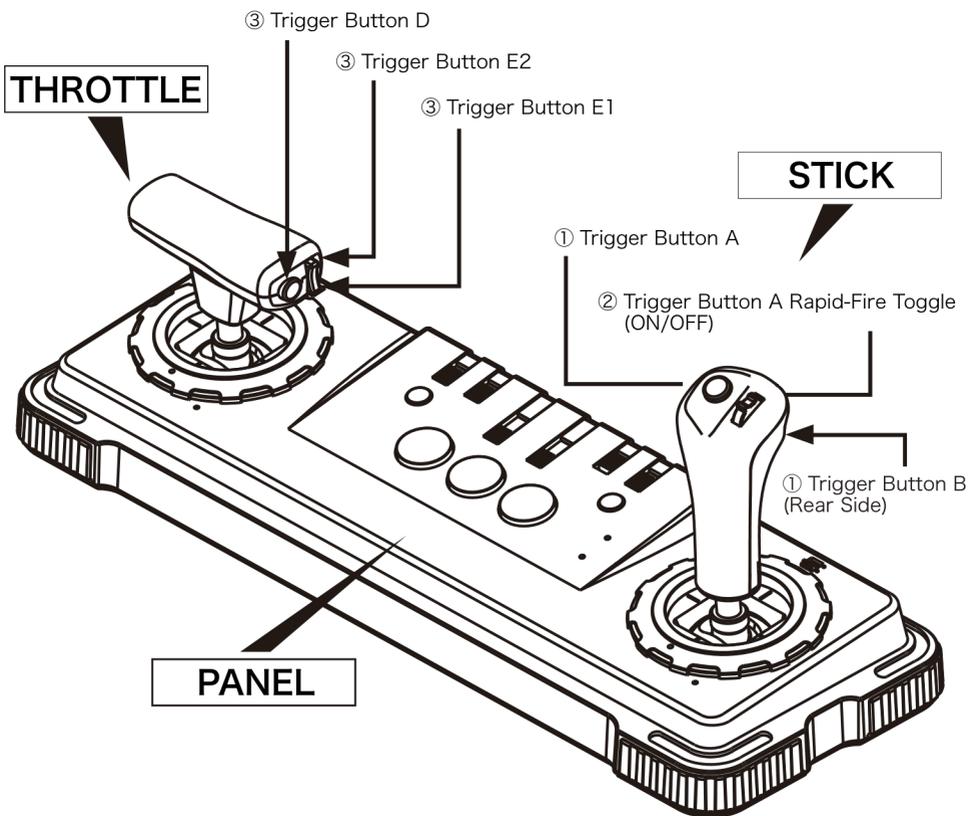
Key Features of This Device:

- ① Equipped with an analog stick that supports movement in 256 steps (8-bit) in both the forward/backward and left/right directions.
By switching modes, it can function like a traditional joystick, allowing control in up to 8 directions including diagonals (Digital Mode).
 - ② Equipped with an analog throttle, also supporting 256-step (8-bit) movement in the forward/backward direction.
 - ③ Rapid-fire functionality with three settings: rapid-fire ON, OFF, and locked ON. The firing speed is also adjustable.
 - ④ Six trigger buttons: A, B, C, D, E1, and E2, allowing compatibility with a wide range of software functions.
 - ⑤ Swappable stick and throttle, enabling use as a traditional joystick. For example, you can operate the stick with your left hand and trigger buttons with your right.
 - ⑥ Ergonomic design that fits both hands comfortably, featuring a stick, throttle, operation buttons, and various mode switches for an optimal control experience.
- ※ To use analog mode, software that supports analog input is required. You cannot operate software designed for traditional joysticks (digital mode) using analog mode.
- ※ This device cannot be connected to the X68000 series.

2. HANDLING PRECAUTIONS

- Do not pull the cord when carrying this device or when disconnecting it from a computer or game console.
- Do not drop, hit, or apply strong impact to the device, as this may cause malfunctions.
- Avoid using the device in humid or dusty environments, as this may lead to damage or malfunction.
- To clean the device, lightly wipe it with a soft cloth dampened with water or mild detergent. Do not use volatile substances such as benzine or thinner.

3. NAMES AND FUNCTIONS OF EACH CONTROL



STICK

① Trigger Buttons A and B

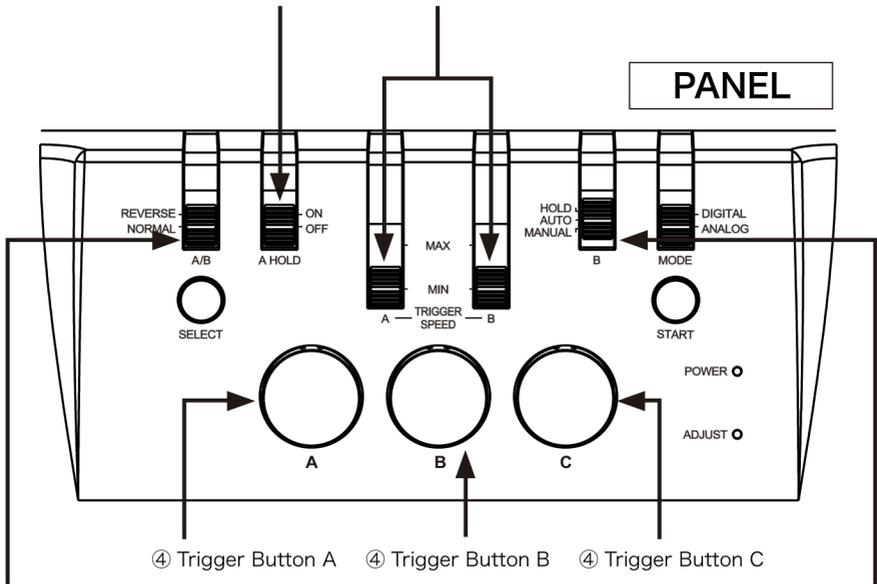
② Trigger Button A Rapid-Fire Toggle Switch (ON/OFF)

When this switch is set to ON and Trigger Button A is pressed, rapid-fire for the A button is enabled.

THROTTLE

③ Trigger Buttons D, E1 and E2

- ⑥ Trigger Button A Rapid-Fire Hold Switch (A HOLD ON/OFF) ⑦ Trigger Button A/B Rapid-Fire Speed Adjustment Dial (A, B TRIGGER SPEED)



- ⑤ Trigger Button A/B Inversion Switch (A/B NORMAL · REVERSE)

- ⑧ Trigger Button B Rapid-Fire Mode Switch (B MANUAL · AUTO · HOLD)

PANEL

④ Trigger Buttons A, B, and C

Trigger Buttons A and B function the same as the stick's Trigger Buttons A and B. You can use either one depending on your preference during operation.

⑤ Trigger Button A/B Swap Switch (A/B NORMAL · REVERSE)

In REVERSE mode, Trigger Buttons A and B on the panel and stick are swapped. In other words, Trigger Button A becomes B, and Trigger Button B becomes A. In NORMAL mode, the buttons function as labeled.

⑥ Trigger Button A Rapid-Fire Hold Switch (A HOLD ON/OFF)

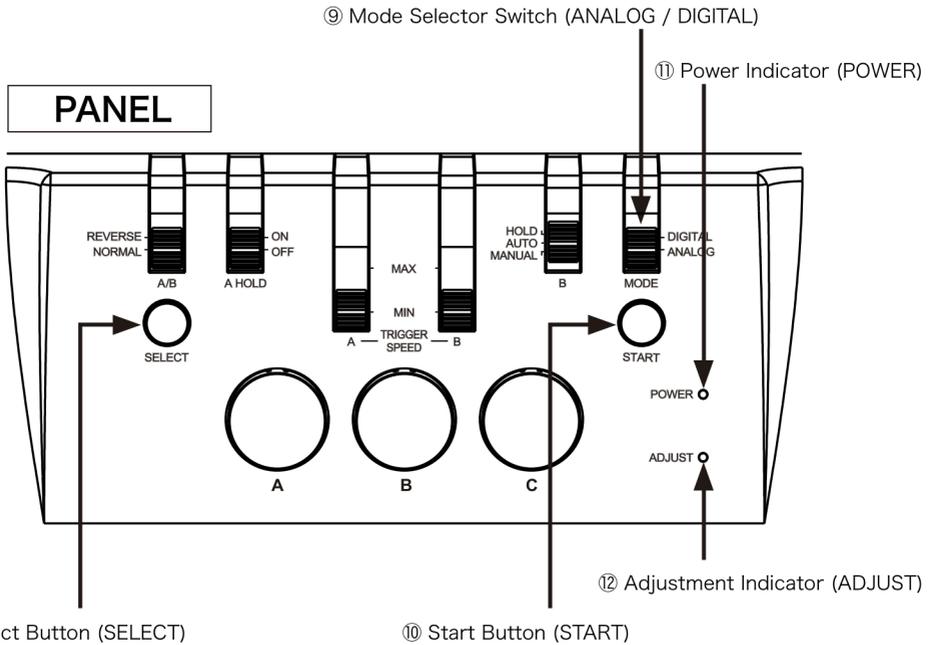
This switch only works when the stick's Trigger Button A rapid-fire switch is ON. When ON, rapid-fire is on continuously. When OFF, rapid-fire only works while the A button is being pressed.

⑦ Trigger Button A/B Rapid-Fire Speed Adjustment Dials (A, B TRIGGER SPEED)

These dials allow you to individually and continuously adjust the rapid-fire speed for Trigger Buttons A and B. MAX is the fastest speed and MIN is the slowest.

⑧ Trigger Button B Rapid-Fire Mode Switch (B MANUAL · AUTO · HOLD)

This switch allows you to choose from three modes for Trigger Button B: MANUAL: No rapid-fire / AUTO: Rapid-fire enabled / HOLD: Rapid-fire locked on



PANEL

⑨ Mode Switch (ANALOG / DIGITAL)

This switch toggles between Analog Mode and Digital Mode. Analog Mode can only be used when running software that supports the device's analog functionality. Digital Mode is used when running software designed for traditional joysticks.

⑩ Select Button (SELECT) and Start Button (START)

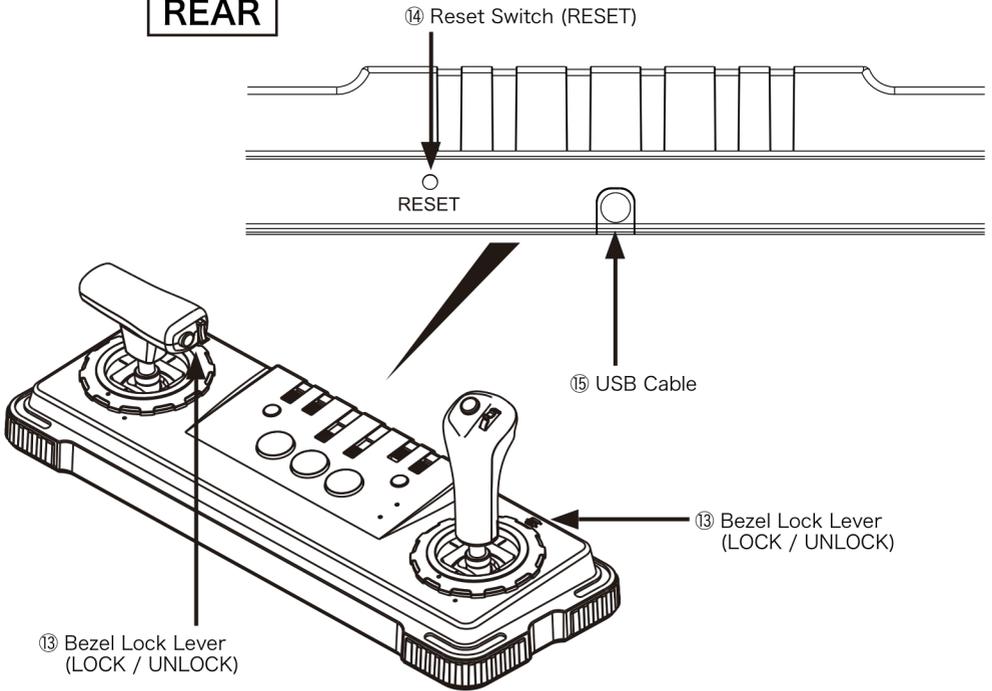
⑪ Power Indicator (POWER)

Lights up red when the device is connected to a computer or game console via USB and powered on.

⑫ Adjustment Indicator (ADJUST)

Used to identify the status during calibration of the stick, throttle, and rapid-fire speed adjustment dials. For details, please refer to "7. CALIBRATION PROCEDURE."

REAR



⑬ Bezel Lock Lever
(LOCK / UNLOCK)

⑮ USB Cable

⑬ Bezel Lock Lever
(LOCK / UNLOCK)

REAR

⑬ Bezel Lock Lever (LOCK / UNLOCK)

Used when removing the stick or throttle.

For details, please refer to "5. STICK AND THROTTLE REPLACEMENT PROCEDURE."

⑭ Reset Switch (RESET)

This switch is used to set or clear various modes.

For details, please see "6. SPECIAL MODE" and "7. CALIBRATION PROCEDURE."

⑮ USB Cable

Connects to the USB port of a computer or game console.

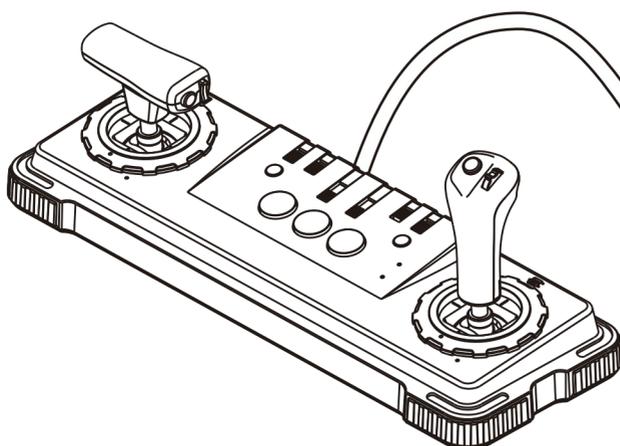
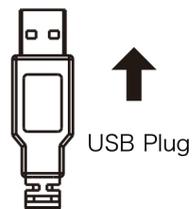
4. CONNECTION PROCEDURE

STEPS

- ① To connect this device to a computer or game console, firmly insert the USB plug into the USB port of the computer or game console.
- ② Start the software you will use in the specified order.
- ③ When using with the Mega Drive Mini 2, please connect it to Control Port 2. For detailed instructions on each game, please refer to the official Mega Drive Mini 2 website: <https://sega.jp/mdmini2/>

※ Mega Drive is a trademark of SEGA Corporation.

USB Port of Computer or Game Console



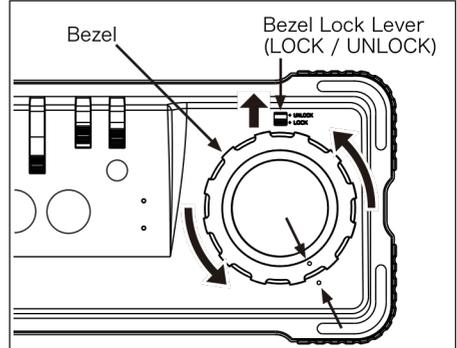
5. STICK AND THROTTLE REPLACEMENT

To operate the stick with your left hand and the throttle with your right, please follow the steps below to swap the stick and throttle.

(1) Disconnect the USB plug of this device from the USB port of your computer or game console.

(2) Remove the stick and throttle.

- ① Set the bezel lock lever to the UNLOCK position.
- ② Rotate the bezel counterclockwise to the removal position. This will allow you to pull out the stick and throttle.

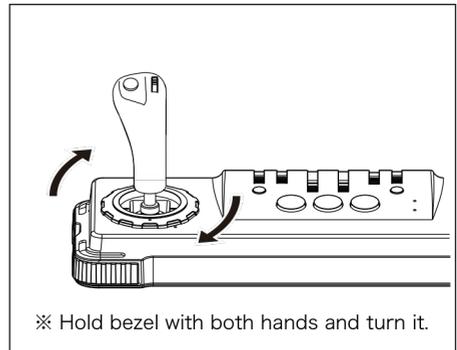
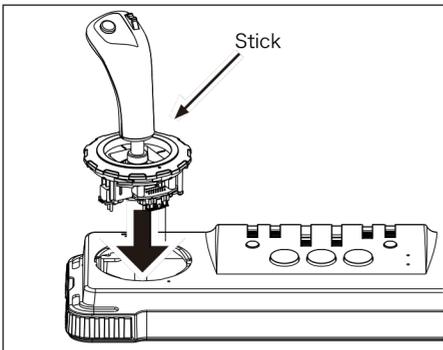
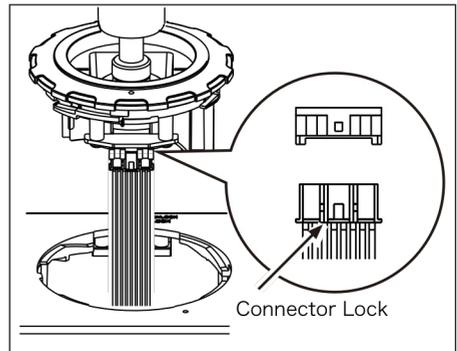


(3) Disconnect the harness connectors for the stick and throttle.

- ① Press the connector lock to release and remove the harness.

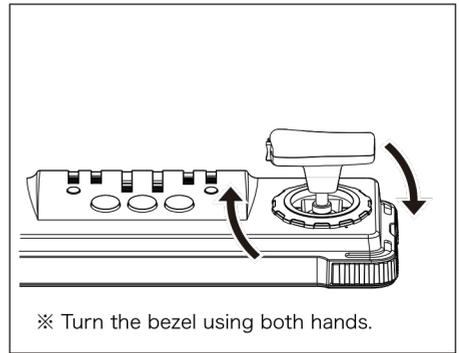
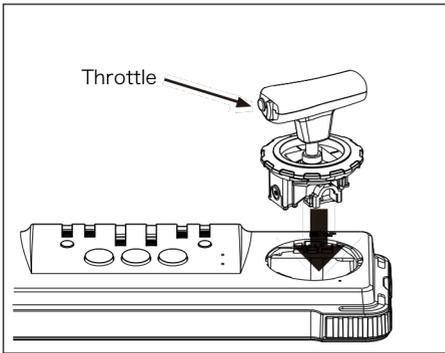
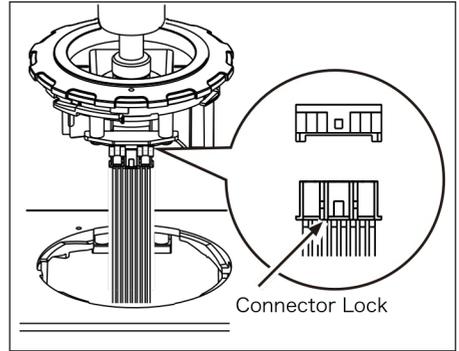
(4) Connect stick to the left side.

- ① As shown in the diagram, connect the left-side harness of the main unit to the connector on the stick.
- ② Align the bezel with the removal position and attach it to the main unit. Turn it clockwise until it clicks into place, then set the bezel lock lever to the LOCK position.



(5) Connect the Throttle to the Right Side.

- ① Just like in step (4), connect the right-side harness of the main unit to the throttle's connector.
- ② Attach the throttle to the main unit with the bezel rotated in the opposite direction of the removal position, so that Trigger Buttons D and E1/E2 on the throttle can be operated with your right thumb.
Turn the bezel clockwise until it clicks into place, then set the bezel lock lever to the LOCK position.



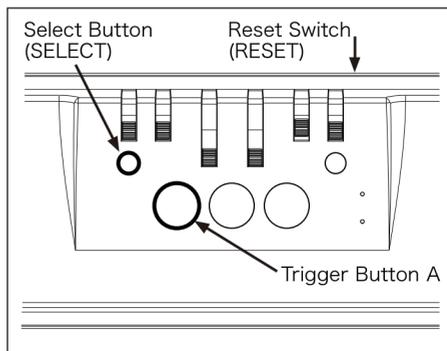
- ※ When rotating the stick or throttle, hold the bezel with both hands and turn it.
- ※ When removing or attaching the stick or throttle, be careful not to pinch or snag the harness on the main unit.
- ※ When disconnecting the connector, be sure to fully release the connector lock, and do not pull on the harness itself.

6. SPECIAL MODE (IN ANALOG MODE) ※

This mode includes functions such as doubling the movement range and reversing the forward/backward direction of the stick or throttle. Please use these modes according to your operational needs.

(1) Double Movement Range Mode

- ① Stick – Forward/Backward + Left/Right
Press the Select Button (SELECT) and Trigger Button A (on the Panel) while pressing the Reset Switch (RESET).
- ② Throttle – Forward/Backward
Press the Select Button and Trigger Button B while pressing Reset Switch.
- ③ Stick (All Directions) + Throttle (Forward/Backward)
Press the Select Button, Trigger Buttons A and B simultaneously while pressing the Reset Switch.



(2) Stick Forward/Backward Inversion Mode

Press Trigger Button C while pressing the Reset Switch.

(3) Combined Mode of (1) and (2)

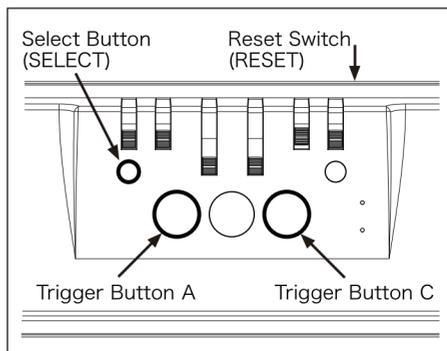
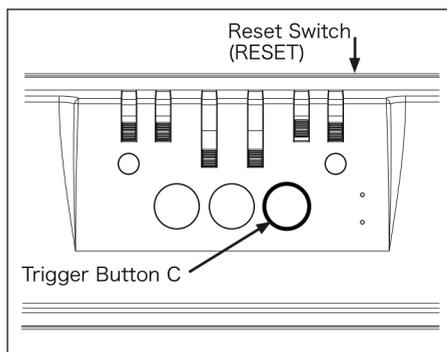
By performing both (1) and (2) at the same time, you can activate Double Movement Range Mode and Stick Inversion Mode simultaneously.

For example, pressing the Select Button and Trigger Buttons A and C while pressing the Reset Switch will double the stick's movement range in all directions and invert the forward/backward direction.

(4) Canceling Special Mode

To return from any special mode to the normal state, simply press Reset Switch.

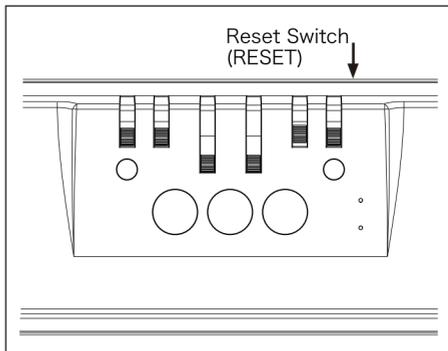
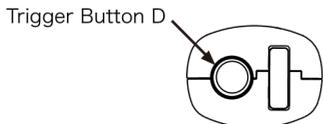
- ※ These settings and cancellations can also be performed in Digital Mode, using the same operations as in Analog Mode.
- ※ The Trigger Button A/B Inversion Switch setting does not affect this operation. Press Trigger Buttons A and B as usual.
- ※ Additional special modes, such as Throttle Forward/Backward Inversion, are described on the next page.



This device includes additional special modes and adjustment tools for use with both game consoles and computers.

(5) Throttle Forward/Backward Inversion Mode

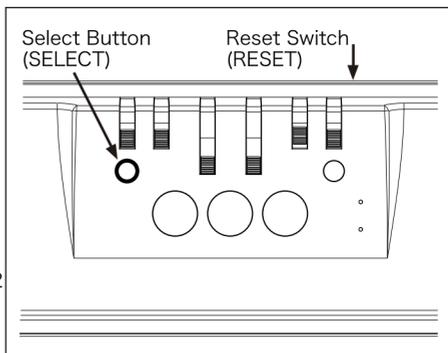
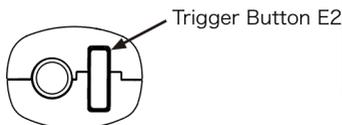
Press Trigger Button D while pressing the Reset Switch (RESET).



(6) AP Mode (1.5x Stick and Throttle Sensitivity Mode)

This mode replicates the smooth, responsive feel of the XE-1AP controller.

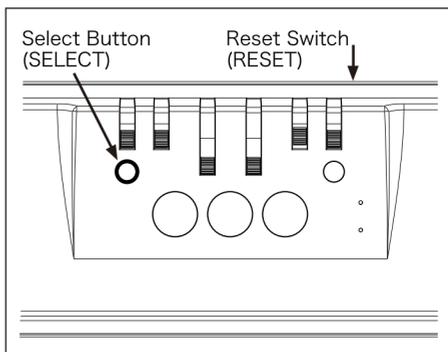
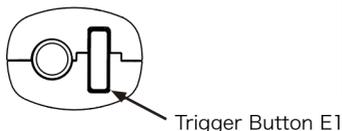
To activate it, press the Select Button (SELECT) and Trigger Button E2 while pressing the Reset Switch.



(7) Default Movement Range Mode

This mode temporarily resets the movement range, modified via the adjustment tool, back to the factory default values.

To activate it, press the Select Button and Trigger Button E1 while pressing the Reset Switch.



※ For downloading and instructions on how to use the adjustment tool, please visit the website:
<https://www.micomsoft.co.jp>

7. CALIBRATION PROCEDURE (IN ANALOG MODE)

At the time of factory shipment, the stick, throttle, and rapid-fire speed adjustment dials are already calibrated.

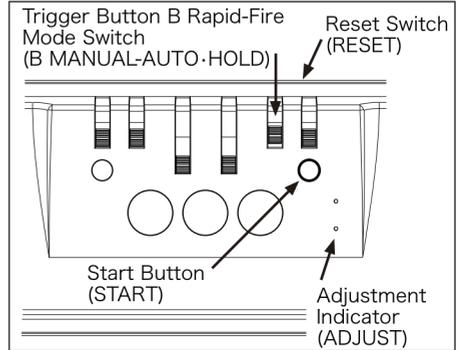
If recalibration is necessary, please follow the steps below.

(1) Center Position Calibration

Place the device on a flat surface. Set the Trigger Button A and B rapid-fire speed adjustment dials to MIN, and set the Trigger Button B rapid-fire mode switch to AUTO.

While pressing the Start Button, press the Reset Switch. The Adjustment Indicator (ADJUST) will light up, entering calibration mode.

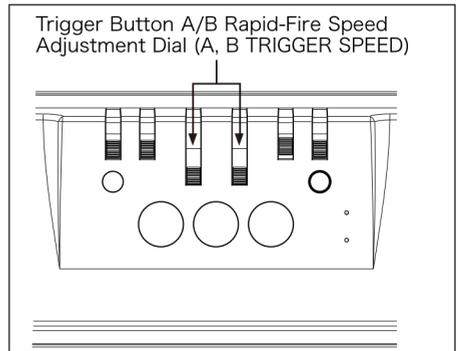
Do not touch the stick or throttle during this time. Once calibration is complete, the adjustment indicator will turn off briefly and then light up again.



(2) Rapid-Fire Speed Calibration

Hold the Trigger Button A and B rapid-fire speed adjustment dials at MIN for 3 seconds, then at MAX for 3 seconds.

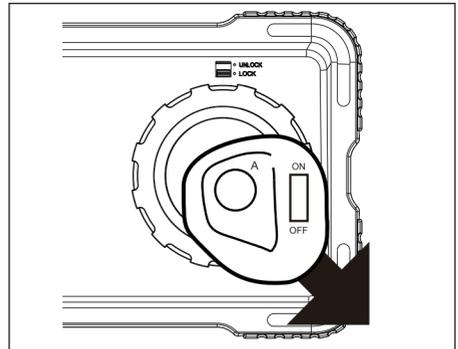
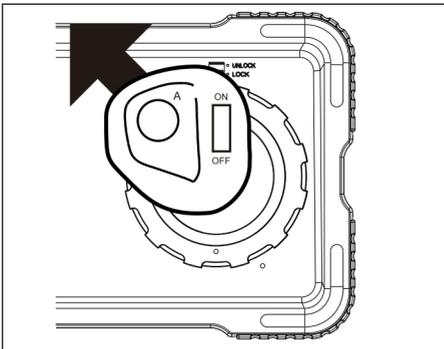
When calibration is complete, the adjustment indicator will turn off briefly and then light up again.



(3) Stick Calibration

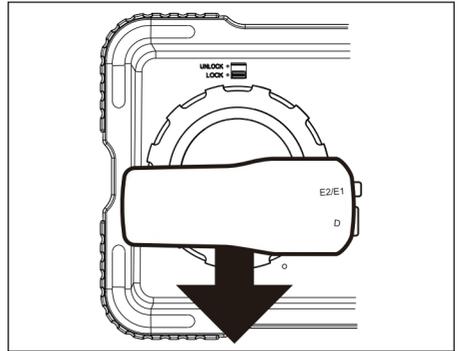
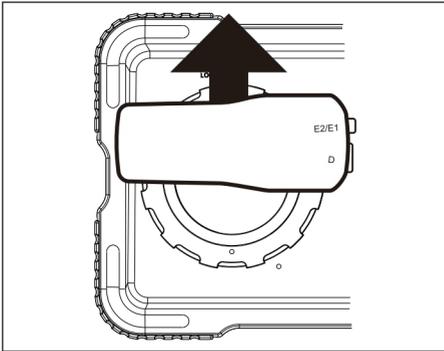
Hold the stick in the upper-left position for 3 seconds. When calibration is complete, the adjustment indicator will turn off briefly and then light up again.

Next, hold the stick in the lower-right position for 3 seconds. Once calibration is complete, the indicator will again turn off briefly and then light up again.



(4) Throttle Calibration

Hold the throttle in the upward position for 3 seconds. When calibration is complete, the Adjustment Indicator will turn off briefly and then light up again.

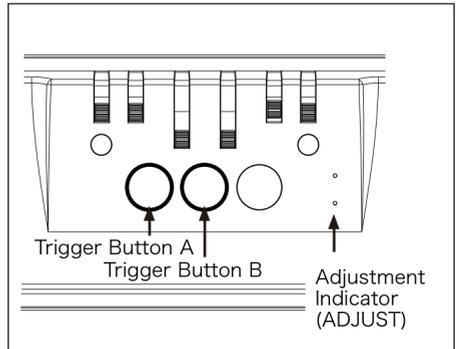


Hold the throttle in the downward position for 3 seconds. When calibration is complete, the Adjustment Indicator will turn off briefly and then light up again.

(5) Completing Calibration

Finally, press Trigger Buttons A and B on the main unit simultaneously. The Adjustment Indicator will blink and then turn off, indicating that the calibration has been saved successfully.

※ The calibration steps (1) through (5) must be performed as a complete sequence. For example, it is not possible to perform only step (3) – Stick Calibration – in isolation.



8. Layout Table for Computer Use

| | |
|-------------------|----------|
| Trigger Button A | Button 1 |
| Trigger Button B | Button 2 |
| Trigger Button C | Button 3 |
| Trigger Button D | Button 4 |
| Trigger Button E1 | Button 5 |
| Trigger Button E2 | Button 6 |

| | |
|-----------------------|------------|
| Select Button | Button 7 |
| Start Button | Button 8 |
| Stick Left/Right | X-Axis |
| Stick Forward/Back | Y-Axis |
| Throttle Forward/Back | Z-Rotation |

9. SPECIFICATIONS

Model Name XE1AJ-USB
Product Name INTELLIGENT CONTROLLER – CYBER STICK

| | |
|------------------------------|--|
| Trigger Buttons: | 6 types – A, B, C, D, E1, E2 |
| Rapid-Fire Modes: | 3 modes – Rapid-Fire On / Off / Locked |
| Rapid-Fire Speed Adjustment: | For Trigger Buttons A and B |
| Inversion Mode: | A/B trigger inversion |
| Stick: | Equipped with Trigger Buttons A and B, and a rapid-fire ON/OFF switch for Trigger Button A |
| Throttle: | Equipped with Trigger Buttons D, E1 and E2 |
| Output Mode: | Switchable between Analog and Digital mode |
| Connection Type: | USB connection |
| Dimensions: | Width 412 × Depth 144 × Height 159 mm (excluding protrusions) |
| Weight: | 1.4 kg |
| Included Items: | 1 instruction manual |

10. WARRANTY POLICY

Warranty Period: 1 year from the date of purchase

Initial Defect Period: 2 weeks from the date of purchase

- (1) If the product fails during the warranty period under normal use as described in the instruction manual, please fill in the required information in the warranty section of the box and send it to us along with a copy of the delivery note or receipt from the retailer. We will repair it free of charge.
- (2) Even within the warranty period, repair costs will be charged in the following cases:
 - Malfunction or damage due to misuse, disassembly, or modification.
 - Malfunction or damage caused by transportation, relocation, dropping, or water exposure after purchase.
 - Malfunction or damage due to disasters such as fire, earthquake, or flood.
 - Missing required information in the warranty section.
- (3) This warranty is valid only in Japan.

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ウエムラビル 4F
電話 06 (6203) 2827 (直通)

To Our Customers: Filling in the date and place of purchase will be helpful when requesting repairs or service.

| | |
|---------------------------------|-------------------------------|
| Date of Purchase | |
| Place of Purchase | |
| | |
| Customer Support Contact | Micomsoft Support Desk |
| | Phone 06-6203-2827 |