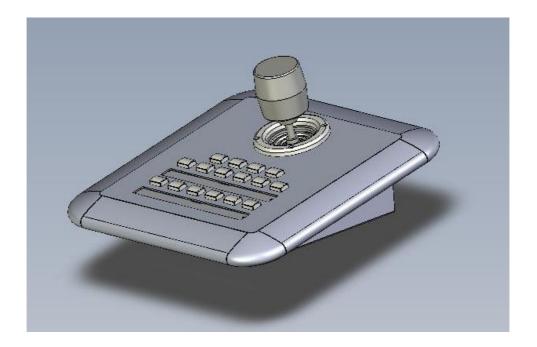
# **EKB200**

## **USB** Controller Keyboard

Installation / Operation Instructions



Rev. 1.0



## SAFETY WARNINGS

- Do not place the device near to heaters, furnaces, other heat sources or under direct solar irradiation.
- Operate the device only in locations providing the tolerable operating temperature range 0°C~50°C.
- For cleaning, make sure the device is plugged off and only use a damp cloth without acid detergent.
- Install the device only in dry and dustproof surroundings. Protect the device against any liquid's penetration.
- Avoid the penetration of any artefacts, e.g. through ventilation slots.
- Do not open the device yourself. In case of malfunction, contact your local installer or dealer. Unauthorized opening of the device will annul the warranty claim!
- Use the device only for purposes described in this manual.
- Operate the device only with the power source indicated in the technical data.

()	ATTENTION! This is a class A product which may cause radio interference in a domestic environment; in this		
	case, the user may be urged to take adequate measures.		
	This equipment has been tested and found to comply to part 15 of the FCC Rules. These limits are designed to		
	provide reasonable protection against harmful		
	interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy		
	and, if not installed and used in accordance with the instructions, may cause harmful interference to radio		
	communications. However, there is no guarantee that interference will not occur in a particular installation. If this		
	equipment does cause harmful interference to radio or television reception, which can be determined by turning		
	the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following		
	measures:		
	Reorient or relocate the receiving antenna.		
	Increase the separation between the equipment and receiver.		
	• Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.		
	Consult the dealer or an experienced radio/ TV technician for help.		
ROHS	This Product is RoHS compliant.		
WEEE	Your EverFocus product is designed and manufactured with high quality materials and components which can be recycled and reused. This symbol means that electrical and electronic equipment, at their end-of-life, should be disposed of separately from your household waste. Please, dispose of this equipment at your local community waste collection/recycling centre. In the European Union there are separate collection systems for used electrical and electronic product. Please, help us to conserve the environment we live in!		

The information in this manual was current upon publication. The manufacturer reserves the right to revise and improve his products.

Therefore, all specifications are subject to change without prior notice. Misprints reserved.

Please read this manual carefully before installing and using this unit. Be sure to keep it handy for later reference.

#### CONTENTS

1 Introd	duction	2
2 Deliv	ery scope	2
3 Spec	ifications	3
Installa	tion	3
Installa	tion	4
3.1	USB - Connection	4
3.2	Sunk-In Desk Installation	4
3.3	Key labels	5
3.4	Function check and Calibration at PC	5
3.5	Installation of JoyMap	8
4 Oper	ation	10
4.1	Assigning Windows functions with JoyMap - application	10
4.2	EKB-200 Operation with PowerCon Management Software	14

#### **1 INTRODUCTION**

EverFocus USB Joystick Controller – EKB200 – is designed for facilitating network video surveillance such as PTZ camera control. With its 3-axis joystick, 4 dedicated PTZ function keys (Iris+/-, Focus+/-) and other 12 free programmable switches running with EverFocus JoyMapper® keymapper, EKB200 helps users operate EverFocus PowerCon® in a more intuitive way.

- USB interface, plug and play
- 3-axis joystick for PTZ control function
- Support standard HID class device with high compatibility
- Industrial ID design
- Industrial grade 3-axis joystick, long working life
- Four predefined PTZ function keys: Iris+/-, Focus+/-
- Twelve free assignable function keys
- Panel mount kit in package
- No external power supply requirement
- Suitable for right-hand or left-hand operation
- Dedicated EverFocus JoyMapper keymapper software for standard Windows operation

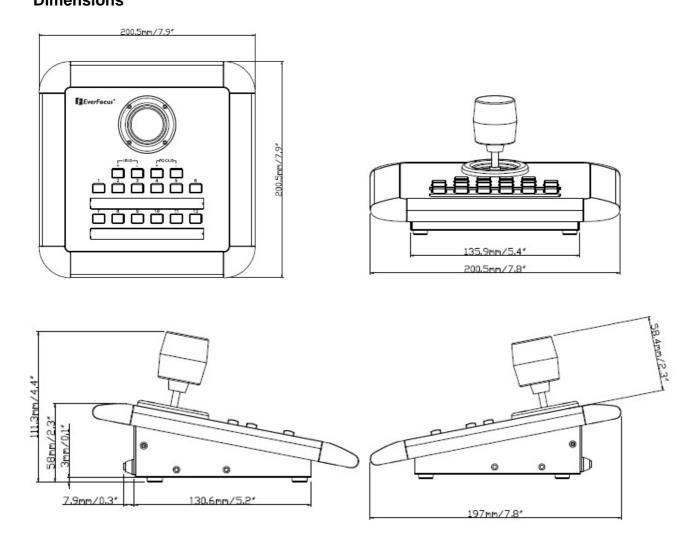
#### **2 DELIVERY SCOPE**

- EKB200 USB keyboard with 1.8m USB cable
- Quickly Installation Guide
- Support CD (Acrobat Reader, User manual, EverFocus JoyMapper®, key label templates)
- Panel Mount Kit
- Reserve key labels

#### **3 SPECIFICATIONS**

Interface:	USB1.1 (USB2.0 compatible)
PTZ function key:	4 keys, Iris+, Iris-, Focus+, Focus-
Re-assignment key:	12 keys
Default protocol:	USB HID class 3 axis Game controller
Mounting method:	Desktop, Sunk-In
Power/ power consumption:	USB bus power 5 VDC/ 80mA (maximum)
Certification:	CE/FCC class A
Operating system for EverFocus JoyMapper	Microsoft® Windows XP, 2000, Vista
Operating system for EverFocus JoyMapper application	Microsoft® Windows XP, 2000, Vista
	Microsoft® Windows XP, 2000, Vista 1.8 meter/ Black
application	
application Length/Color of USB cable:	1.8 meter/ Black
application Length/Color of USB cable:	1.8 meter/ Black 200.5 (W) x 200.5 (D) x 108.9 (H)

## Dimensions



#### INSTALLATION

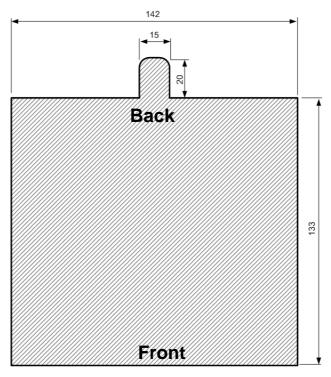
#### 3.1 USB - Connection

Connect the USB-cable to the USB port of the PC or device, which supports EKB-200.

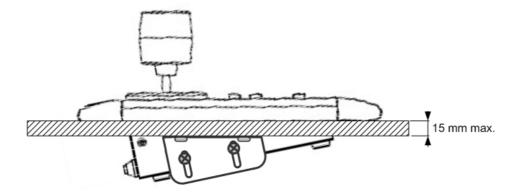
The EKB-200 is compatible to USB 1.1 and USB 2.0 interfaces. The EKB-200 will be detected by PC as "USB, 3-Axis, 16 button gamepad".

#### 3.2 Sunk-In Desk Installation

For sunk-in mounting is a cut-out in the panel required. The minimum dimensions are shown in drawing below:



The fixation brackets in the package support a mounting in panels with a maximum thickness of 15 mm.

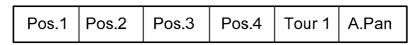


The drawing shows the mounting position of the fixation brackets.

#### 3.3 Key labels

The EKB-200 provides exchangable key description labels. This allows the user to customize the key labels to his application and the assigned key functions.

Example:



The label sheets have a size of 104 x 9.5 mm.

		9.5
104	<b>&gt;</b>	

A key lable template form in \*.doc and \*.rtf format can be found at the service CD in the EKB-200 package.

#### 3.4 Function check and Calibration at PC

In case of any problems with keys or joystick provides Microsoft Windows<sup>®</sup> provides a check and calibration option in control panel.

1. Go to "Start" -> "Control Panel" -> "Printers and Other Hardware" -> "Game Controllers".

Game Controllers	? 🔀
These settings help you configure the game your computer.	e controllers installed on
Installed game controllers	
Controller	Status
USB,3-Axis,16-Button gamepad	OK
Add Remove	Properties Troubleshoot
	ОК

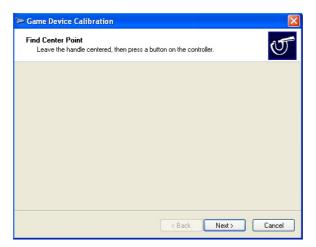
2. Select "Properties". In test mode, you can test the EKB200 controller by moving the joystick towards all end stops including the third axis (X-axis, Y-axis & Z-axis) and pressing the buttons. If the controller is not functioning properly, it may need to be calibrated. To calibrate it, go to the Settings page.

🖙 USB,3-Axis,16-Button gamepad properties 🛛 🔹 🔀
Settings Test
Test the game controller. If the controller is not functioning properly, it may need to be calibrated. To calibrate it, go to the Settings page.
X Axis / Y Axis Z Ax Buttons 1 2 3 4 5 6 7 8
OK Cancel Apply

- In Settings mode, click "calibrate" button to do calibration.
- 4. In Device Calibration Wizard starting page, click "Next" to continue.

🐲 Game Device Calibratio	n 🛛 🔀
T	Welcome to the Device Calibration Wizard
	Use this wizard to calibrate the axes of your game controller.
	<back next=""> Cancel</back>

5. To find center point, leave the handle centered, then press a button on the controller. Click "Next" to continue.



6. Move the handle in complete circles, then press a button on the controller. Click "Next" to continue.

🖻 Game Device Calibration
Axis Calibration Move the handle in complete circles, then press a button on the controller.
+
Х Ажіз / Ү Ажіз
Display raw data
< Back Next > Cancel

7. To verify center point, leave the handle centered, then press a button on the controller. Click "Next" to continue.

🎏 Game Device Calibration	
Verify Center Point Leave the handle centered, then press a button on the controller.	T
< Back Next >	Cancel

8. Move the Z axis all the way up and down, then press a button on the controller. Click "Next" to continue.

🞏 Game Device Calibration	
Axis Calibration Move the Z Axis all the way up and down, then press a button on the controller.	T
Z Axis	
Display raw data	
< Back Next >	Cancel

9. Calibration is completed. To save your calibration, click "Finish".



10. Finally, click "Apply" button to apply the settings to EKB200.

#### 3.5 Installation of JoyMap

The JoyMap tool allows the assignment of standard windows operations to the EKB-200.

#### Installation steps of JoyMap for EKB200:

Double click "Setup.exe" file.

The installer will guide you through the steps required to install JoyMap for EKB200 on your computer. Click "Next" to continue.

🛃 JoyMap for EKB200		
Welcome to the Joy	Map for EKB200 Se	etup Wizard 🕵
The installer will guide you throug computer.	h the steps required to install Joy	Map for EKB200 on your
WARNING: This computer progra Unauthorized duplication or distrit or criminal penalities, and will be p	oution of this program, or any port	tion of it, may result in severe civil
	Cancel	K Back

3. Direct to the folder where you wish to install the program by pressing "Browse". If you wish to install JoyMap for yourself, select "Just Me". If you allow anyone using this computer to use JoyMap, select "Everyone". Click

"Next" to confirm.

Select Installation Folder
The installer will install JoyMap for EKB200 to the following folder. To install in this folder, click "Next". To install to a different folder, enter it below or click "Browse".
Eolder: C:\Program Files\EverFocus\JoyMap for EKB200\ Disk Cost Install JoyMap for EKB200 for yourself, or for anyone who uses this computer:
<ul> <li>○ Everyone</li> <li>⊙ Just me</li> </ul>
Cancel < <u>B</u> ack <u>N</u> ext >

4. The installer is ready to install JoyMap for EKB200 on your computer. Click "Next" to start the installation.

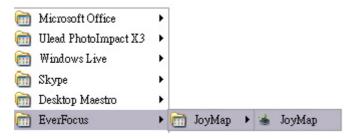
Confirm Installation	
The installer is ready to install JoyMap for EKB200 on your computer.	
Click "Next" to start the installation.	
Cancel < <u>B</u> ack	<u>N</u> ext >

5. With the message "Installation Complete" the JoyMapper setup is finished. Click "Close" to exit.

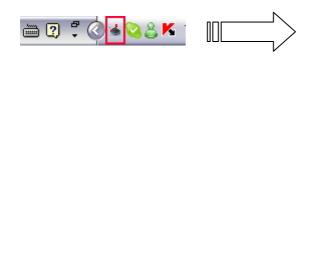
🔡 JoyMap for EKB200 📃 🗆 🔀
Installation Complete
JoyMap for EKB200 has been successfully installed.
Click "Close" to exit.
Please use Windows Update to check for any critical updates to the .NET Framework.
Cancel < <u>B</u> ack <b>Close</b>

#### **4 OPERATION**

- 4.1 Assigning Windows functions with JoyMap application
- **NOTE:** The EverFocus JoyMapper application will only work correctly with connected EKB200 keyboards. Other joystick devices are not supported. If no EKB200 is connected, the application will show after start: "**DEVICE: No EKB200 found**".
- 1. Go to "Start" -> "Program" -> "EverFocus" -> "JoyMap" -> "JoyMap".

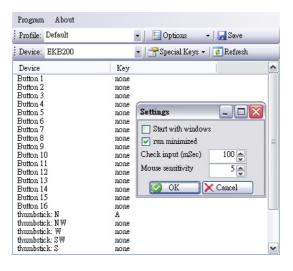


2. Double click the JoyMap icon in the task bar to open JoyMap window.



🐞 JoyMapper		
Program About		
Profile: Default	🝷 📔 Options	👻 🛃 Save
Device: EKB200	🝷 🛛 🚰 Special K	Keys 🕶 😰 Refresh
Device	Key	<b>^</b>
Button 1	none	
Button 2	none	
Button 3	none	
Button 4	none	
Button 5	none	
Button 6	none	
Button 7	none	
Button 8	none	
Button 9	none	
Button 10	none	
Button 11	none	
Button 12	none	
Button 13	none	
Button 14	none	
Button 15	none	
Button 16	none	
thumbstick: N	A	
thumbstick: NW	none	
thumbstick: W thumbstick: SW	none	
	none	
thumbstick: S	none	~

3. Press "Program" -> "Settings" for general EKB200 parameters.



Start with windows:	JoyMapper will automatically starts with windows start.
Run minimized:	JoyMapper window will be minimized if you check this box.
Check input (mSec):	Delay time between the commands coming from the Joystick are read into the
	application. 100ms means 10 times per second the USB port is read by the AP
	and the read commands are processed. Default value is 100 mSec. It is
	selectable from 40~1000 mSec.

**Mouse sensitivity:** Select mouse sensitivity level. The higher the number, the more sensitive the joystick simulation for mouse speed.

Press "OK" to confirm or press "Cancel" to cancel the settings.

4. Profile: The Joymapper allows to setup different profiles for special key / joystick assignments to Windows functions.

Press Profile > "Options", 4 options are available:

🐞 JoyMapper						_	
Program About							
Profile: Default		-   8	Opt	tions	•	🛛 🛃 Save	
Device: EKB200		•   Ĉ	) N	lew		🕏 Refresh	
Device	Key		d D	elete			^
Button 1	none		R	leset		]	
Button 2 Button 3	none none		S	ave			
Button 4	none					]	
Button 5	none						
Button 6	none						
Button 7	none						
Button 8	none						=
Button 9	none						=
Button 10	none						
Button 11	none						
Button 12	none						
Button 13	none						
Button 14	none						
Button 15	none						
Button 16	none						
thumbstick: N	A						
thumbstick: NW	none						
thumbstick: W	none						
thumbstick: SW	none						
thumbstick: S	none						~

- New: create a new profile
- Delete: delete a profile
- Reset: reset a profile to default values
- Save: save the profile

5. In "Special Keys", there are 5 options: None, Mouse, System, Profile Switch and Application Switch.

🔞 JoyMapper			×
Program About			
Profile: Default	-	📒 Options 🔹 🚽 🛃 Save	
Device: EKB200	-	😤 Special Keys 👻 🛛 🎓 Refresh	
Device	Key	None	
Button 1	none	Mouse	
Button 2 Button 3	none none	System	
Button 4	none		1
Button 5	none	Profile Switch	
Button 6	none	Application Switch (Alt Tab)	
Button 7	none		
Button 8	none		
Button 9	none		
Button 10	none		
Button 11	none		
Button 12	none		
Button 13	none		
Button 14	none		
Button 15	none		
Button 16	none		-
thumbstick: N	A		
thumbstick: NW	none		
thumbstick: W	none		
thumbstick: SW	none		-
thumbstick: S	none		2

**None:** Set the device as none if you are not using a special key for the device.

Mouse:Set mouse definition for the device. For example, for button 1, if you wish to set it as a left<br/>click button, select left click and mouse definition will be shown in "key" column:

Program About				
Profile: Default	•1	🔚 Options 🛛 👻 💭 Save	1	
Device: EKB200		🚰 Special Keys 👻 🛛 👩 Refresh		
Device	Key	None		
Button 1 Button 2	none none	Mouse	•	Left Click
Button 3 Button 4 Button 5 Button 6 Button 7 Button 7 Button 9 Button 10 Button 10 Button 11 Button 12 Button 13 Button 14 Button 14 Button 15 Button 16 thumbstick: N W thumbstick: W	none none none none none none none none	System Profile Switch Application Switch (Alt Tab		Right Click Move N Move S Move W Move E Move NE Move SE Move SW Move NW Wheel Up
thumbstick: SW	none none			Wheel Down
thumbstick: S	none		~	

System:

Set system function for the device. There are 4 system functions available: power off, suspend, hibernate, log off and reboot. For example, for button 2 if you wish to set it as a power off button, select power off and system function will be shown in "key" column.

Profile: Default		🔚 Options 🛛 🖌 🛃 Sav	e	
Device: EKB200		🚰 Special Keys 👻 🛛 😰 Refr	esh	
Device	Key	None		
Button 1	none	Mouse	F I	
Button 2	none			-
Button 3	none	System	•	Power Off
Button 4	none	Profile Switch		C
Button 5	none		1.1.1.T. 1.1.1.1.1.	Suspend
Button 6 Dettern 7	none	Application Switch (Al	t Tab)	Hibernate
Button 7 Button 8	none [			
Button 9	none none		=	Logoff
Button 10	none			Reboot
Button 11	none			Reboor
Button 12	none			
Button 13	none			
Button 14	none			
Button 15	none			
Button 16	none			
thumbstick: N	A			
thumbstick: NW	none			
thumbstick: W	none			
thumbstick: SW	none			
thumbstick: S	none		~	

Profile Switch:

this is used to switch between profiles.

Application Switch:

this is used to switch between applications.

#### 4.2 EKB-200 Operation with PowerCon Management Software

The EKB-200 keyboard is supported in PowerCon management software from version 4.3. In factory settings, the keys are assigned to following PTZ functions:

Кеу	Function
Joystick	Pan / Tilt / Zoom (fixed function)
1	Goto Preset 1
2	Goto Preset 2
3	Goto Preset 3
4	Goto Preset 4
5	Goto Preset 5
6	Goto Preset 6
7	Goto Preset 7
8	Goto Preset 8
9	Goto Preset 9
10	Goto Preset 10
11	Goto Preset 11
12	Goto Preset 12
13	Iris Open
14	Iris Close
15	Focus Near
16	Focus Far

For editing the key settings, go to menu bar > System > Configuration > Tab EKB-200 Action List:

.D-2	200 Button Mapping		
#	Action	Value	
1	Goto Preset	1	
2	Goto Preset	2	
3	Goto Preset	3	
4	Goto Preset	4	
5	Goto Preset	5	
6	Goto Preset	6	
7	Goto Preset	7	
8	Goto Preset	8	
9	Goto Preset	9	
10	Goto Preset	10	
11	Goto Preset	11	
12	Goto Preset	12	
13	Iris Open	13	
14	Iris Close	14	
15	Focus Near	15	

Select a key in the list. Right click in the right corner of any field in the "Action" Column to open a context menu with a selection of available PTZ commands.

If the command requires a value, such as GoTo Preset [x] or Tour [x], enter the number [x] in the field "Value".

Co	nfig	uration		×
PC	s	GPS Archive Scheduler EKB-200	Action List	
E	<b-2< td=""><td>00 Button Mapping</td><td></td><td></td></b-2<>	00 Button Mapping		
	#	Action	Value	<b></b>
	2	Goto Preset	2	
	З	Goto Preset	3	
	4	Goto Preset	4	
	5	Goto Preset	5	
	6	Goto Preset	6	
	7	Goto Preset	7	
	8	Goto Preset	8	
	9	Goto Preset	9	
Þ	10	Goto Preset	10	
	11	Goto Preset	11	
	12	Goto Home	12	
	13	Clear Preset Flip Preset	13	
	14	Focus Near	14	
	15	Focus Far	15	
	16	Focus Auto Iris Open	- 16	
Г				-
		🗸 ок 🗙	Cancel	

"OK" saves the changes and closes Configuration menu, "CANCEL" closes menu without saving the changes.

## EverFocus Electronics Corp.

#### **Head Office:**

12F, No.79 Sec. 1 Shin-Tai Wu Road, Hsi-Chih, Taipei, Taiwan TEL: +886-2-26982334 FAX: +886-2-26982380 www.everfocus.com.tw

#### USA L.A. Office:

1801 Highland Ave. Unit A Duarte, CA 91010, U.S.A. TEL: +1-626-844-8888 FAX: +1-626-844-8838 www.everfocus.com

#### USA N.Y. Office:

415 Oser Avenue Unit S Hauppauge, NY 11788 TEL: 631-436-5070 FAX: 631-436-5027 www.everfocus.com

#### **Europe Office:**

Albert-Einstein-Strasse 1 D-46446 Emmerich, Germany TEL: +49-2822-9394-0 FAX: +49-2822-9394-95 www.everfocus.de

#### China Office:

Room B-05D-1, KESHI PLAZA , Shangdi Information Industry Base, Haidian District, Beijing China 100085 TEL: +86-10-62973336/37/38/39 FAX: +86-10-62971423 www.everfocus.com.cn

#### Japan Office:

1809 WBG MARIBU East 18F, 2-6 Nakase.Mihama-ku. Chiba city 261-7118, Japan TEL: +81-43-212-8188 FAX: +81-43-297-0081 www.everfocus.co.jp



P/N: MKB2G00110

Free Manuals Download Website <u>http://myh66.com</u> <u>http://usermanuals.us</u> <u>http://www.somanuals.com</u> <u>http://www.4manuals.cc</u> <u>http://www.4manuals.cc</u> <u>http://www.4manuals.cc</u> <u>http://www.4manuals.com</u> <u>http://www.404manual.com</u> <u>http://www.luxmanual.com</u> <u>http://aubethermostatmanual.com</u> Golf course search by state

http://golfingnear.com Email search by domain

http://emailbydomain.com Auto manuals search

http://auto.somanuals.com TV manuals search

http://tv.somanuals.com