



*PRECISION FLIGHT CONTROLS*

# USB Yoke User Guide



**MOONEY  
STYLE**



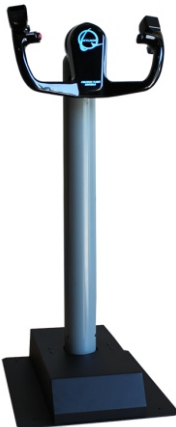
**BEECH  
STYLE**



**BOEING 737  
STYLE**



**CESSNA  
STYLE**



**BOEING 737  
COLUMN STYLE**



**SAAB  
COLUMN STYLE**

## **Introduction**

Congratulations on your purchase of the PFC USB Yoke. There are two different PFC USB Yokes, the Cirrus Yoke is the desktop style and the Jetliner

## **The Control Wheels**

There are five control wheels available for PFC USB Yokes. The Beech, Mooney, Boeing and Saab are machined cast aluminum with a beautiful durable powder coated finish and the Cessna Style uses the OEM Cessna Yoke.

## **The Cirrus Yoke**

The control wheel is mounted to an extruded stainless steel and polished shaft. The yoke movement is guided by precision ball bearings and self-aligning bushings which ensure a smooth and realistic feel throughout the control movement. The chassis is made from powder coated steel. All control wheel styles have functional switches and buttons.

## **The Column Yoke**

The Boeing Column Yoke is painstakingly and faithfully reproduced, the 737 Style yoke for is made from cast aluminum with a beautiful powder coated black finish, the yoke comes with dual trim rocker switches that faithfully replicate the look and feel of its real live counterpart. Four additional yoke mounted programmable pushbuttons is standard.

The Saab style yoke is also made from cast aluminum and the same beautiful powder coat black finish. Comes with 12 programmable switches.

Each of the column yoke has a heavy duty spring mechanisms and self-aligning bushings that provides a smooth and realistic feel. Designed for custom fit with our Cirrus Rudder Pedals (Jet).

## **Axis, Switches and Button:**

### **Beech and Mooney Cirrus Yoke**

- (2) 2-way rocker switches
- (2) Single function buttons
- (2) Axes

### **Boeing Column Yoke**

- (1) 2-function split style rocker switch (see page 5 for proper operation)
- (4) Single function buttons
- (2) Axes

### **Saab Column Yoke**

- (2) Dual 2-way rocker switch
- (4) Single function buttons
- (2) Axes

**Packaging Contents:**

- 6 foot USB cable
- User's guide

**Package Inspection:**

- Check package and hardware for damage and report to your carrier immediately!
- Also report the damage to PFC Technical Support through our contact information at the back of this manual.

**Cirrus Yoke Installation**

- Carefully unbox the yoke.
- Set the yoke on top of your table or desk.
- Connect the square end of USB cable to the back of the yoke.
- Connect the flat end of the USB cable to the computer.

**Column Yoke Installation**

- Carefully unbox the yoke.
- Set the yoke on your floor.
- Connect the square end of USB cable to the back of the yoke.
- Connect the flat end of the USB cable to the computer.

**Notes**

- The Cirrus and Column Yoke do not require any driver.
- When using Microsoft Windows, all axis must be calibrated in Windows Game Controller prior to use. Refer to calibration guide in page 4.
- After calibration in Windows, all axis will need to be properly assigned for their respective function in your simulation software. Such as FS2004, FSX or X-Plane. Refer to your software manual for proper assignment.
- The trim switch on the Boeing control wheel requires both switch actuated for proper switch operation. This function is a faithful replication of the real control wheel function. The trim switch will not respond if only one of the switch is actuated.

**Original Packaging**

- Please keep the packaging of your device until the warranty is no longer in effect. The original packaging is the best packaging should it becomes necessary to send the unit to PFC.

## **Windows 10/ 8/ 8.1 Calibration**

1. Click on Start on the Windows® Taskbar and select Settings.
2. Once in Settings, choose “Devices”.
3. From Devices choose “Printers and scanners” on the options on the left.
4. On the right options, click on the “Devices and printers.”
5. From the Devices and Printers window, right Click on “PFC Cirrus Yoke” and click on “Game Controller Settings.”
6. From the Game Controller Window, double-click on PFC Cirrus Yoke.
7. Choose the Settings tab and click on Reset to Default.
8. Click on Calibrate.
9. Click Next on “Welcome to Device Calibration Wizard.”
10. Make sure the yoke is in neutral position and click on Next.
11. For X / Y Axes calibration, push the yoke full forward, then turn full left, followed by a full back and then a full right. Once complete release the yoke and click on Next.
12. Make sure that the yoke is neutral and click on Next.
13. On the Throttle Axis just click Next. Throttle control is not available on the Cirrus or Column Yoke.
14. Calibration is now complete, click on Finish.
15. On the Test tab, click on Apply.
16. Move the yoke around and the crosshair should move accordingly.
17. Click on OK to close the Game Controller Screen window.

## **Windows 7 Calibration**

18. Click on Start on the Windows® Taskbar and then select Devices and Printers.
19. In the Devices and Printers windows, Right Click on PFC Cirrus Yoke
20. From the menu choose Game Controller Settings
21. From the game controller window, double-click on PFC Cirrus Yoke.
22. Choose the Settings tab and click on Reset to Default.
23. Click on Calibrate.
24. Click Next on “Welcome to Device Calibration Wizard.”
25. Make sure the yoke is in neutral position and click on Next.
26. For X / Y Axes calibration, push the yoke full forward, then turn full left, followed by a full back and then a full right.
27. Once complete release the yoke back to neutral then click on Next.
28. Make sure that the yoke is neutral and click on Next.
29. On the Throttle Axis just click Next. Throttle control is not available on the Cirrus or Column Yoke.
30. Calibration is now complete, click on Finish.
31. On the Test tab, click on Apply.
32. Move the yoke around and the crosshair should move accordingly.

## **FSX Axes Assignment**

1. From the main Flight Simulator X splash screen, choose the *Settings* option.
2. Once in the settings page, click on the *Controls* button
3. On the Setting - Controls screen click on the *Control Axes* tab.
4. Change the *Controller Type* to *PFC Cirrus Yoke* by selecting it from the drop down list.
5. In the Assignment List scroll down until you find the *Ailerons Axis*.
6. Double-click on the Ailerons Axis to open the *Change Assignment* window.
7. Turn the yoke left and right and you should see *X-Axis* then click on OK.
8. Back in the Assignment List, scroll down until you find the *Elevator Axis*.
9. Double-click on the Elevator axis to open the *Change Assignment* window.
10. Push the yoke forward and you should see *Y-Axis* then click on OK.

## **FSX Button Assignment**

11. From the Settings - Controls window, click on Buttons/Keys tab.
12. Make sure PFC Cirrus Yoke is selected under Joystick Type.
13. From the Assignment List, double-click the event that you want to assign.
14. Press the switch that you would like to assign to the event. The button number will be displayed in the window.
15. Click on OK.

## **FSX Sensitivity Adjustment**

14. From the Settings - Controls window, click on Calibration Tab.
15. Change the *Controller Type* to *PFC Cirrus Yoke* from the drop down list.
16. On the screen, you will see *Simple and Advanced* buttons, select the *Advanced*
17. Under *Axis Name* verify that you have *Ailerons Axis and Elevator Axis*
18. To adjust sensitivity, move the sensitivity slider to the left for less sensitive controls and to the right for more sensitive controls.
19. Click on Ok to close the window.

## **X-Plane 11 Assignments**

1. From the X-Plane main menu choose "Settings".
2. From the Settings menu choose the "Joystick" tab.
3. On the left side of the Joystick window, select the "PFC Cirrus Yoke" from "Device" list.
4. Move the elevator axis of the yoke by pushing and pull the yoke. Observe on the right side of the window which bar is moving.
5. Click on the drop down menu of that axis and select "Pitch" from the list.

## **X-Plane 11 Assignments continued**

6. Move the aileron axis of the yoke by turning the yoke left and right. Observe on the right side of the window which bar is moving.
  7. Click on the drop down menu of that axis and select "Roll" from the list.
  8. Click on the "Calibrate Now"
  9. Move the yoke forward and back several times.
  10. Turn the yoke left and right several times.
  11. If one of the axis does not turn blue, click on the "Accept Axis"
  12. If there other axis listed, click on Ignore Axis on all of them until the " Next" button is no longer greyed out.
  13. Make sure that the yoke is in the neutral position and click on "Next."
  14. Once X-Plane has completed setting the center, click on "Finish."
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## **Technical Support**

Before contacting Technical Support, please read and follow this user guide carefully.

To get the most efficient support, please be ready with the following information:

- What kind of computer you have?
- How many USB ports do you have?
- With which software are you having a problems?
- Do you have other controllers such as joysticks, yokes or pedals connected?

Support is available Monday through Friday (excluding holidays)

Telephone: 916.414.1316

E-mail: [techsupport@flypfc.com](mailto:techsupport@flypfc.com)

Technical Support Library: <https://flypfc.com/support/>

## **Cautions**

- Use only as intended.
- Do not expose unit to liquids to prevent fire or shock hazard.
- Do not disassemble to avoid electric shock. Servicing should be performed by qualified personnel only.
- Do not insert any foreign objects into the unit this may result in damage or electrocution.
- Keep unit away from head or face.
- For the desktop unit, make sure the unit is secured to the desk or table prior to use.

## **Limited Warranty**

Precision Flight Controls, Inc. (PFC) warrants for 12 months from the date of purchase, to the original owner, that its products are free from defects in materials and workmanship. PFC will, at its option, either repair or replace any part of its products that prove defective by reason of improper workmanship or materials. Repaired parts or replacement products will be provided by PFC and will be either new or refurbished to be functionally equivalent to new.

### **12 Month Warranty On**

Decals, Knobs, Levers, Finishes, Digital Clock, Power Supply, All Switches, Internal Wiring, Landing Gear Switch/Electronics (not broken by abuse), Internal Encoder and Potentiometers, Digital Controller Interface, Computer & LCD Displays.

### **This warranty does not cover**

Damage resulting from accident, unreasonable use, neglect, alterations, improper servicing, improper installation, connections with peripherals or other causes not arising out of defects in materials or workmanship. Any service or repair provided outside the scope of this limited warranty shall be at PFC's rates and terms in effect. PFC is not responsible for costs or loss of revenue incurred due to downtime. It also does not include shipping cost to and from our facility

### **Unauthorized Repairs**

Modifying, upgrading, or altering any PFC product will void the warranty. The customer will not be compensated for repairs performed themselves.

### **Warranty Service**

To obtain warranty repair service please see the last page for the complete process.

**Advance Replacement (Warranty Items Only):** If an advance replacement for items under warranty is requested, the customer is required to provide a credit card to charge the full cost of the replacement item. Defective Items returned for credit must be in original condition and free from any alterations. Defective items not returned to PFC within 10 business days, the customer agrees to pay for the replacement item plus shipping and handling in FULL at the current item price. Customer will obtain a Return Material Authorization form and number PRIOR to shipping the defective to PFC. Failure to do so will result in package being refused and sent back to customer at customer's expense.

**To obtain warranty service you must:**

1. Obtain a Return Material Authorization (RMA) number by sending an email to Technical Support. Please include the serial number, model and purchase date on the email.

Your request must be approved prior sending the unit. Any items returned without the RMA number will be refused. Customers are responsible for all fees and shipping charges to return items to PFC. Please ship only the product specified on the RMA.

2. Enclose a completed copy of the RMA Form inside the package to assure correct processing.
3. Package the item carefully in the original packaging. If not available, items must be packed with a minimum of two-inch protection around. Do not use "popcorn foam" or newspaper as filler; they do not provide sufficient protection. All equipment will be returned in new original packaging customer is responsible for the cost of the new original packaging.
4. Clearly mark the Return Merchandise Authorization (RMA) number on the inside and outside of each package. Any items returned without the RMA number on the outside of the package will be refused.
5. Items must be insured for their "full replacement value". If you are unsure of the value, please contact technical support. Customer assumes the risk of loss/damage during shipment.
6. Please use a shipping company that can demonstrate proof of delivery (such as FedEx, UPS, etc.).
7. Ship the product to PFC at your expense to the address below:

Precision Flight Controls

ATTN: RMA # xxxxxx-xxxx <-----insert your RMA number here

2747Mercantile Road, Suite 100

Rancho Cordova, CA 95742 USA.

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***Precision Flight Controls***

***2747 Mercantile Drive,  
Suite 100  
Rancho Cordova, CA  
95742  
916.414.1310***

