



AIMSWORTH SIMULATION USB F-16 ICP, MFD AND CONTROL UNIT



AIMSWORTH SIMULATION

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WINDOWS INSTALLATION:

NOTE: Installation is essentially the same in all versions of Windows. Windows 98, Me, 2000 and XP home require more input from the user. In all cases, watch the hourglass and allow time for each step to be completed before proceeding to the next. If you encounter problems, please contact our tech support department: E-mail: sales@aimsworth.com, Phone + 662 637 7417-9 or Fax at + 662 637 7420

Start with the Aimsworth CU, ICP and MFD unplugged.

1. Insert the Aimsworth USB Driver CD into your CD-ROM drive.
2. Run the installation program and follow the instructions from the installation wizard.
3. Make sure the Programming switch on the Control Unit is in operating position (normal mode) and plug the unit into a USB port.
4. Windows will install a HID device driver for the Control Unit. When the Add New Hardware Wizard completes its installation, the red indicator will turn off leaving the green indicator on to assure you that the Control Unit is functioning normally.
5. Now connect the Control unit, ICP and MFD as shown below. Please make sure that you are using the wider cable for the ICP and the smaller ones for the MFD's and that the red wire is on the left side of the cable when connecting it to the socket and the matching red dot on the socket board.
6. Find the programming switch on the Control Unit and slide it to the programming position.
7. The Add New Hardware Wizard will install a driver for the Control Unit. When the installation is complete, the red indicator will turn off leaving the green indicator blinking to assure you that the Control Unit is ready for programming.

The installation is complete. You may remove the CD from the drive. You are now ready to program the ICP and MFD using the instructions on the following pages.

Please note that the ICP and MFD's have a assigned TEST key function which are not related to any game. You can simply program the function you want over the TEST keys programmed as described below.

HOW TO USE YOUR AIMSWORTH ICP AND MFD'S:

Each button/toggle on your ICP/MFD's can record a series of keystrokes or key combinations as they are typed on the keyboard or noted in your flight sim's manual, accurately reproducing the sequence every time the button/toggle is pushed/moved. All the buttons are momentary switches, means they can be programmed only one command when pressed. If you keep them pressed, Windows will repeat the function until you release the button. The speed which this is done depends on the Windows settings .

HOW TO PROGRAM YOUR ICP/MFD'S:

1. Slide the switch on your Control Unit (CU) in programming mode. The red LED will show on your CU.
2. Press a button/move a toggle on your ICP/MFD.
3. Type a keyboard function on your keyboard (for example F1 or Shift & F1)
4. Press the same button/toggle on your ICP/MFD again
5. Slide programming switch to normal mode on your CU

And this is it! You are ready to use the ICP/MFD's and throw away the keyboard (at least while you are flying ☺).

NOW WITH A LITTLE BIT MORE DETAILS:

The toggle switches on your ICP are either a 3 position switch, means all 3 positions can be programmed. To do the programming for the toggle switches, you need to program into two different sessions, for example on a 3-position switch the upper and lower switch positions first, using the center position as starting point saving the upper & lower into the memory of the CU. Then switching the lever to the upper position, going into programming mode and using the upper switch position as starting point to program the center position. Sounds complicated, isn't? So let's do it with one 3-way toggle as an example:

THE UPPER AND LOWER SWITCH POSITIONS FIRST:

1. Put the toggle into the center position
2. Slide the switch on your CU in programming mode. The red LED will show on your CU
3. Flip the toggle from center **up and then back** down to **center position**
4. Type a keyboard function on your keyboard (for example F1 or Shift & F1)
5. Flip the toggle again from center **up and then back** down to **center position**
6. Flip the toggle from center **down and then up** to **center position**

7. Type a keyboard function on your keyboard (for example F1 or Shift & F1)
8. Flip the toggle again from center **down and then up** to **center position**
9. Slide programming switch to normal mode on your CU. This will save the upper & lower switch position into the memory. Oh by the way, you can do this with all the toggles in one go.

SO NOW TO THE CENTER POSITION:

1. Make sure that the toggle is for this in the **upper or lower switch position** before you continue!
2. Slide the switch on your CU again in programming mode. The red LED will show on your CU
3. Flip the toggle from **upper switch position** into the **center position** and then back to **upper**
4. Type a keyboard function on your keyboard (for example F1 or Shift & F1)
5. Flip the toggle again from **upper switch position** into the **center position** and then back to **upper**
6. Slide programming switch to normal mode on your CU. This will save now the center switch position into the memory

Voila! Not too difficult, right? Please not that the four way switches are momentary switches.

PROGRAMMING TIPS:

The Aimsworth CU records the exact sequence of each key pressed and released while it is programming. Since the CU does not record the time in between keystrokes, you may type slowly and accurately. When typing key stroke combinations, it is very important to get the sequence correct. Just as typing an uppercase C requires the the C key is pressed before the Shift key is released, so does the keyboard shortcut Ctrl + C requires the C to be pressed before the Ctrl key is released. If the Ctrl key is released before the C key is pressed, The CU will record them as separate keystrokes and not a key combination.

REPROGRAMMING THE BUTTONS/TOGGLES:

Reprogramming a button/toggle is as simple as reselecting it. Follow the same steps you used for programming.

STILL HUNGRY FOR MORE?

LET'S DIVE INTO THE TWO LAYER PROGRAMMING AND MORE:

Each button/toggle on the ICP & MFD's can have two separate functions, one on the green layer and another on the red layer. The CU has a green and red layer indicator to show which layer is active. The green layer is active by default. To use the red layer, you must first program a layer toggle button key.

FOR ALL SPECIAL PROGRAMMING FEATURE KEYS, THE SAME FOLLOWING SEQUENCE APPLIES:

1. Slide the programming switch to programming mode (the layer indicator will blink)
2. Tap/flip the button/toggle that you want to use as a layer program switcher (the layer indicator will double blink)
3. Press and hold the ESC key on your keyboard
4. Press and release the associated command key (see instructions below)
5. Release the ESC key
6. Confirm programming on the key (the layer indicator will blink)
7. Slide the programming switch back to the operating position (the layer indicator will glow steadily)

SINGLE KEY SPECIAL PROGRAMMING FEATURES:

All number referred to in combination with the ESC key are number keys on the alpha-numeric section of the keyboard (NOT the Num Pad).

PROGRAMMING A LAYER-TOGGLE KEY (ESC + 2):

Assigning one key as a layer toggle doubles the capability of the remaining keys. Each key now has one set of commands programmed on the green layer and a second on the red layer.

TO PROGRAM A SECOND LAYER:

After programming a layer toggle key, change the second layer by tapping the layer toggle key (the CU must be in operating mode to change layers). The green and red layer indicator on the CU will show which layer is active. Select the red layer and switch the CU into programming mode. Follow the same procedure used for programming the green layer. Do not re-program the layer-toggle key or you will not be able to change layers.

THE LEDs

The two LEDs mounted next to the programming switch indicate the active layer in operating mode, and have a function in the programming mode as well. The LEDs have three basic patterns: steady glow indicates normal operation, slow blink indicates "Programming Mode" and double-blink indicates you are "programming a selected switch."

PROGRAMMING ERROR'S:

If the CU encounters programming error's, the red and green layer indicators will blink simultaneously on and off. Turn the programming switch off and back to reset the CU to programming mode.

ERROR'S CAN OCCUR IF:

There is an unreliable connection, check all cord for proper connection
The computer is not operating in a mode to accept the entered commands
The memory in the CU is exceeded. The entire CU will memorize 800 to 1000 keystrokes depending on the keystrokes.

INSTALLATION INTO YOU COCKPIT:

Both the ICP and MFD's have screws on the side of the casings for Installation into a Mk I/Viper I or a homebuilt pit.

LIMITED WARRANTY

AIMSWORTH ICP/MFD/CU'S ARE FULLY TESTED PRIOR SHIPPING. AIMS WORTH CORPORATION WARRANTS TO THE ORIGINAL PURCHASER OF THIS PRODUCT THAT THIS WILL BE FREE FROM DEFECTS IN MATERIALS AND/OR WORKMANSHIP FOR A PERIOD OF 3 MONTHS FROM THE DATE OF PURCHASE. IF A DEFECT COVERED BY THIS WARRANTY IS DISCOVERED WITHIN THIS 3 MONTH PERIOD, AIMS WORTH CORPORATION AT ITS OPTION WILL REPAIR OR REPLACE ANY PART WE DETERMINE TO BE DEFECTIVE. THIS WARRANTY IS LIMITED TO THE INTERNAL WORKS OF THIS PRODUCT AND THE EXTERNAL HOUSING. IT WILL NOT APPLY IF YOUR AIMS WORTH CORPORATION PRODUCT HAS BEEN DAMAGED BY ABUSE, MISUSE, NEGLIGENCE, ACCIDENT, MODIFICATION, TAMPERING OR BY ANY OTHER CAUSE UNRELATED TO DEFECTIVE MATERIAL AND/OR WORKMANSHIP. REPAIR OR REPLACEMENT AS PROVIDE UNDER THIS WARRANTY IS AIMS WORTH CORPORATIONS EXCLUSIVE PREROGATIVE. ANY APPLICABLE IMPLIED WARRANTIES, INCLUDING WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, ARE HEREBY LIMITED TO 3 MONTHS FORM THE DATE OF PURCHASE AND ARE SUBJECT TO THE CONDITIONS SET FORTH IN THIS LIMITED WARRANTY. IN NO EVENT SHALL AIMS WORTH CORPORATION BE LIABLE FOR CONSEQUENTIAL OR INCIDENTAL DAMAGE RESULTING FROM THE BREACH OF ANY EXPRESS OR IMPLIED WARRANTIES. REPAIRS AFTER THE INITIAL 3 MONTH WARRANTY PERIOD ARE FULLY CHARGED TO THE PURCHASER/USER OF THE PRODUCT. CONTACT OUR SALES DEPARTMENT FOR AN RMA NUMBER AS DESCRIBED BELOW (RETURN MERCHANDISE AUTHORIZATION) AIMS WORTH CORPORATION WILL NOT BE RESPONSIBLE FOR ANY DAMAGE TO OTHER EQUIPMENT/PERSONS WHEN USING THIS PRODUCT IN CONJUNCTION WITH OTHER COMPUTER EQUIPMENT, AUDIO/VISUAL PRODUCTS OR ANY OTHER ELECTRONIC EMITTING DEVICE. USE OF THESE PRODUCTS IS AT YOUR OWN RISK. THIS WARRANTY IS ISSUED UNDER THAI LAW. ALL LEGAL WARRANTIES/IMPLICATIONS ARE BASED ON REGULATIONS AND LAWS OF THAILAND ONLY.