

# Global Majic Software, Inc. Custom Controls

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# Aircraft Instrument Control

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## **Description:**

Aircraft Instrument Controls display a variety of small airplane flight instruments including compass, heading indicator, altimeter, vertical speed indicator, and airspeed indicator. The controls can be used as input controls when `MouseControl` is set to `True`. The controls include bevels for a 3D appearance.

## **Remarks:**

When sizing the controls, keep in mind that smaller instruments update faster.

## Why Register?

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Register because you find the software useful and you feel the efforts put into writing the code are worth compensating.

Register because you would like to be informed of updates to this software.

Register because you want to encourage the author to spend time to develop other useful shareware software.

Register because you would like to have technical support.

Register because you want to get rid of that annoying sign-on banner.

## Usage

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The **Instrumentation Custom Control Library, AIR.VBX**, is a *Microsoft Visual Basic* custom control that can be used by placing it on a *Visual Basic* form. In order for the control to appear in the *Visual Basic* toolbox, use the **Add File** command to add the control to your project. Then you can position and size the control as desired on the form.

Once the control is placed on the form, use the properties box to set up gauge type, gauge values, mouse control, control name, etc. Some properties are only available at Design Time and some only at Run Time.

A test program using **AIR.VBX**, AIRTEST.EXE, is included for illustration purposes. Double click on this from the File Manager to start the test program which allows the user to see each gauge type, and to use either the mouse (click Mouse Control ON and then use the mouse to move the needles on the gauges) or slider controls to adjust the values of the gauges.

# Registration.

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Mail completed form with payment to:

Global Majic Software, Inc.  
P.O. Box 322  
Madison, Alabama 35758

Make checks or money orders out to: Global Majic Software, Inc.

Name: \_\_\_\_\_

Address: \_\_\_\_\_

City, State, Zip: \_\_\_\_\_

Phone: \_\_\_\_\_

Fax: \_\_\_\_\_

CompuServe: \_\_\_\_\_

Internet: \_\_\_\_\_

	QTY	Amount
REGISTRATION: \$25 each,	_____	_____
SOURCE CODE AND REGISTRATION: \$55 each	_____	_____
Foreign addresses add \$5 shipping		_____
	Total:	_____

# Product Support

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Product support for *Aircraft Instrument Controls* is available to registered users by contacting **Global Majic Software, Inc.** at the following locations:

Global Majic Software, Inc.  
P.O. Box 322  
Madison, Alabama 35758

CompuServe: 73261,3642  
Internet: 73261.3642@compuserve.com

Product Support is free for a period of three (3) months from the date of registration.

## Events:

Change  
Click  
GotFocus  
LostFocus  
Turn

## Properties:

AltBarometer  
AltBarometricPressure  
BackColor  
BevelInner  
BevelOuter  
BevelWidth  
BorderWidth  
CompassStyle

DisplayMode  
Enabled  
FontSize  
Height  
HelpContextID  
Index  
Left  
MouseControl

MousePointer  
TabIndex  
TabStop  
Tag  
Top  
Value  
Visible  
Width



# AltBarometer Property

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## Description

Enables and disables the barometric pressure indicator displayed on the altimeter.

## Usage

[*form.*][*control.*]**AltBarometer**[ = *boolean* ]

## Setting

The AltBarometer property settings are:

Setting	Description
True	Barometric pressure setting is displayed
False	Barometric pressure setting is hidden

## Remarks

This property only applies when DisplayMode = 3 (Altimeter).

## Data Type

Integer (Boolean)

# DisplayMode Property

---

## Description

Selects the type of instrument being displayed.

## Usage

`[form.][control.]DisplayMode[ = integer ]`

## Setting

The DisplayMode property settings are:

Setting	Description
0	Analog Compass
1	Analog/Digital Compass
2	Heading Indicator
3	Altimeter
4	Vertical Speed Indicator
5	Airspeed Indicator

## Data Type

Integer (enumerated)

# AltBarometricPressure Property

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## Description

This property contains the value of the barometric pressure displayed on the altimeter.

## Usage

*[form.][control.]AltBarometricPressure[ = single ]*

## Remarks

This property is only applicable when DisplayMode = 3 (Altimeter) and AltBarometer = TRUE. The barometric pressure is bound between 20 and 40 inches of mercury. Changes in the barometric pressure do not affect the altimeter Value.

## Data Type

single

# BevelOuter Property

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## Description

Sets or returns the outer shadow style of the control.

## Usage

[*form.*][*control.*]**BevelOuter**[ = *integer* ]

## Setting

The BevelOuter property settings are:

<b>Setting</b>	<b>Description</b>
<b>0</b>	None
<b>1</b>	Raised
<b>2</b>	Inset

## Remarks

This property has no affect when BevelWidth=0.

## Data Type

Integer (enumerated)

# BevelInner Property

---

## Description

Sets or returns the inner shadow style of the control.

## Usage

[*form.*][*control.*]**BevelInner**[ = *integer* ]

## Setting

The BevelInner property settings are:

<b>Setting</b>	<b>Description</b>
<b>0</b>	None
<b>1</b>	Raised
<b>2</b>	Inset

## Remarks

This property has no affect when BevelWidth=0. This property is used in conjunction with BevelOuter, BevelWidth, and BorderWidth

## Data Type

Integer (enumerated)

# BevelWidth Property

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## Description

Sets or returns the shadow sizes of the inner and outer bevels of the control.

## Usage

`[form.][control.]BevelWidth[ = integer ]`

## Remarks

This property works in conjunction with [BevelInner](#), [BevelOuter](#) and [BorderWidth](#).

## Data Type

Integer

# BorderWidth Property

---

## Description

Sets or returns the border size between the inner and outer bevels of the control.

## Usage

`[form.][control.]BorderWidth[ = integer ]`

## Remarks

This property works in conjunction with [BevelInner](#), [BevelOuter](#) and [BevelWidth](#).

## Data Type

Integer

# CompassStyle Property

---

## Description

Determines the display mode of the compass face.

## Usage

[*form.*][*control.*]**CompassStyle**[ = *integer* ]

## Setting

The CompassStyle property settings are:

<b>Setting</b>	<b>Description</b>
0	Stationary.
1	Floating

## Remarks

When the CompassStyle = 0 (stationary), the compass face remains stationary while the compass needle points to the control's direction. When the CompassStyle = 1 (floating), the compass needle always points to the top of the control while the compass face rotates to the control's direction. This property only applies when DisplayMode = 0 or 1 (compass).

## Data Type

Integer (enumerated)



# MouseControl Property

---

## Description

Enables and disables mouse input to the control.

## Usage

`[form.][control.]MouseControl[ = boolean ]`

## Setting

The MouseControl property settings are:

<b>Setting</b>	<b>Description</b>
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<b>True</b>	Allows the control's <u>Value</u> to be modified with mouse input.
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<b>False</b>	Disables mouse input to the control.
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## Data Type

Integer (Boolean)

# Value Property

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## Description

Sets or returns the instrument's displayed value.

## Usage

*[form.][control.]Value[ = single ]*

## Remarks

The compass and heading indicator are bound between 0 and 360 degrees. The vertical airspeed indicator is bound between -2000 and 2000 ft per minute. The airspeed indicator is bound between 0 and 170 knots, although the display does not register values below 35 knots.

## Data Type

single

## What Is Shareware?

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**CONTACTING GLOBAL MAJIC SOFTWARE, INC.**

Global Majic Software, Inc.  
P.O. Box 322  
Madison, Alabama 35758

CompuServe: 73261,3642  
Internet: [73261.3642@compuserve.com](mailto:73261.3642@compuserve.com)

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