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Description

System Tokens are system variables located in Project Device Panel. They receive values of OS parameters and the device the project runs on.

A system token can be assigned to any graphic item of the interface and the information received from the token will be output in the interface. You cannot write values from the interface in the system token as only the system can enter data to the token.

To assign a system token to the graphic item use the Drag&Drop method. The alternative way of assigning a token is through scripts.

Receive Time

- **"System.Time.Seconds"** - system time, seconds

```
IR.GetVariable("System.Time.Seconds")
```

- **"System.Time.Minutes"** - system time, minutes

```
IR.GetVariable("System.Time.Minutes")
```

- **"System.Time.Hour"** - system time, hours

```
IR.GetVariable("System.Time.Hour")
```

- **"System.Time.24"** - system time in 24-hour format

```
IR.GetVariable("System.Time.24")
```

- **"System.Time.12_AM_PM"** - system time in 12-hour format

```
IR.GetVariable("System.Time.12_AM_PM")
```

- **"System.Time.Standart"** - system time in the format set for OS

```
IR.GetVariable("System.Time.Standart")
```

Receive Date

- **"System.Date.DayOfYear"** - system date, a day of the year

```
IR.GetVariable("System.Time.24")
```

- **"System.Date.Year"** - system date, the current year

```
IR.GetVariable("System.Date.Year")
```

- **"System.Date.DayOfWeek"** - system date, a day of the week

```
IR.GetVariable("System.Date.DayOfWeek")
```

- **"System.Date.Month"** - system date, the current month

```
IR.GetVariable("System.Date.Month")
```

- **"System.Date.Day"** - system date, the current day of the month

```
IR.GetVariable("System.Date.Day")
```

- **"System.Date.YYYY_MM_DD"** - system date in the format YYYY_MM_DD (numeric format)

```
IR.GetVariable("System.Date.YYYY_MM_DD")
```

- **"System.Date.DD_MONTH_YYYY"** - system date in the format DD_MONTH_YYYY (alphanumeric format)

```
IR.GetVariable("System.Date.DD_MONTH_YYYY"")
```

- **"System.Date.MONTH_DD_YYYY"** - system date in the format MONTH_DD_YYYY (alphanumeric format)

```
IR.GetVariable("System.Date.MONTH_DD_YYYY")
```

- **"System.Date.DD_MM_YYYY"** - system date in the format DD_MM_YYYY (numeric format)

```
IR.GetVariable("System.Date.DD_MM_YYYY")
```

- **"System.Date.MM_DD_YYYY"** - system date in the format MM_DD_YYYY (numeric format)

```
IR.GetVariable("System.Date.MM_DD_YYYY")
```

- **"System.Date.DD_MM"** - system date in the format DD_MM (numeric format)

```
IR.GetVariable("System.Date.DD_MM")
```

- **"System.Date.MM_DD"** - system date in the format MM_DD (numeric format)

```
IR.GetVariable("System.Date.MM_DD")
```

- **"System.Date.Weekday"** - system date, a day of week (numeric format)

```
IR.GetVariable("System.Date.Weekday")
```

Receive GPS Coordinates and Parameters

- **"System.Location.Course"** - course

```
IR.GetVariable("System.Location.Course")
```

- **"System.Location.Speed"** - speed

```
IR.GetVariable("System.Location.Speed")
```

- **"System.Location.Altitude"** - altitude

```
IR.GetVariable("System.Location.Altitude")
```

- **"System.Location.Longitude"** - longitude

```
IR.GetVariable("System.Location.Longitude")
```

- **"System.Location.Latitude"** - latitude

```
IR.GetVariable("System.Location.Latitude")
```

Receive Data from Compass

- **"System.Magnetic.Accuracy"** - accuracy of readings (intensity of magnetization)

```
IR.GetVariable("System.Magnetic.Accuarcy")
```

- **"System.Magnetic.True"** - true North

```
IR.GetVariable("System.Magnetic.True")
```

- **"System.Magnetic.Heading"** - magnetic North

```
IR.GetVariable("System.Magnetic.Heading")
```

- **"System.Magnetic.Z"** - Z-coordinate

```
IR.GetVariable("System.Magnetic.Z")
```

- **"System.Magnetic.Y"** - Y-coordinate

```
IR.GetVariable("System.Magnetic.Y")
```

- **"System.Magnetic.X"** - X-coordinate

```
IR.GetVariable("System.Magnetic.X")
```

Receive Data from Accelerometer

- **"System.Accelerometer.Shake"** - shake

```
IR.GetVariable("System.Accelerometer.Shake")
```

- **"System.Accelerometer.Z"** - Z-coordinate

```
IR.GetVariable("System.Accelerometer.Z")
```

- **"System.Accelerometer.Y"** - Y-coordinate

```
IR.GetVariable("System.Accelerometer.Y")
```

- **"System.Accelerometer.X"** - X-coordinate

```
IR.GetVariable("System.Accelerometer.X")
```

Receive Data from Gyroscope

- **"System.Gyroscope.Z"** - Z-coordinate

```
IR.GetVariable("System.Gyroscope.Z")
```

- **"System.Gyroscope.Y"** - Y-coordinate

```
IR.GetVariable("System.Gyroscope.Y")
```

- **"System.Gyroscope.X"** - X-coordinate

```
IR.GetVariable("System.Gyroscope.X")
```

Receive Data about Device Display

- **"System.Display.FullScreen"** - fullscreen mode

```
IR.GetVariable("System.Display.FullScreen")
```

- **"System.Display.Height"** - height of the display

```
IR.GetVariable("System.Display.Height")
```

- **"System.Display.Width"** - width of the display

```
IR.GetVariable("System.Display.Width")
```

- **"System.Display.Bright"** - brightness of the display

```
IR.GetVariable("System.Display.Bright")
```

- **"System.Orientation"** - orientation of the display

```
IR.GetVariable("System.Orientation")
```

1 :::: portrait - home button at the bottom
2 :::: portrait - home button at the top of the screen (so holding your iPad upside down)
3 :::: landscape - home button on the right
4 :::: landscape - home button on the left
5 :::: when flat on the table with the touchscreen facing up
6 :::: when flat and the touchscreen is facing down
0 :::: when the ipad is being moved between orientation

Receive Information about Network

- **"System.Net.Internet"** - connection to the Internet

```
IR.SetVariable("System.Net.Internet")
```

- **"System.Net.WiFi"** - connection to a WiFi network

```
IR.SetVariable("System.Net.WiFi")
```

Receive Information about Battery

- **"System.Battery.Level"** - level of battery charge

```
IR.GetVariable("System.Battery.Level")
```

- **"System.Battery.Status"** - battery status ()

```
IR.GetVariable("System.Battery.Status")
```

Volume on Device

- **"System.Sound.Volume"** - volume value

```
IR.SetVariable("System.Sound.Volume")
```

- **"System.Sound.Mute"** - mute mode

```
IR.SetVariable("System.Sound.Mute")
```

Activate Vibration Mode

- **"System.Vibro"** - activate vibration mode

```
IR.SetVariable("System.Vibro")      //UNDER DEVELOPMENT
```

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