

FAQ: Can DotTwain access custom capabilities?

Yes it can.

Many scanners have custom capabilities that extend the TWAIN specification. These capabilities can be accessed through DotTwain's TwainController object (which can be accessed through the Device.Controller property), but it requires that you know what these capabilities are and how to use them.

Search the manufacturer's web site to see if they provide information on the driver capabilities, including the numeric value and data type for the capability you want to use.

If you can't find this information, you can use our Inspector TWAIN product (distributed with DotTwain 2.0 and above) to check out the capabilities of the device. Looking at the log it produced, search for "CAP_" followed by a number. Any of those tags that contain "TWRC_SUCCESS" are custom capabilities that can be set.

Once you have a list of values that can be set, try using DotTwain to set those values then show the driver interface and see if the feature you're looking for was modified. The "" tag will tell you what data type was used for the capability. The table below provides which .NET type is used for these TWAIN data types.

TWAIN	.NET
TWTY_BOOL	System.Boolean
TWTY_FIX32	System.Single
TWTY_FRAME	System.Drawing.RectangleF
TWTY_INT8	System.Int32
TWTY_UINT8	
TWTY_INT16	
TWTY_INT32	
TWTY_UINT16	
TWTY_UINT32	
TWTY_STR1024	System.String
TWTY_STR128	
TWTY_STR255	

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TWTY_STR32	
TWTY_STR64	
TWTY_UNI512	

The TwainController has GetCapabilityValue and SetCapabilityValue methods that will allow access to this custom capabilities. You will need to cast the numeric value of the custom capability to a DeviceCapability in order to use these methods.

The following code would get the value of a custom capability with the value of 1234 that is of type Int32:

C#

```
DeviceCapability cap = (DeviceCapability)1234; int  
val;this.device.Controller.GetCapabilityValue(cap, out val);
```

VB.NET

```
Dim cap As DeviceCapability = CType(1234, DeviceCapability) Dim val As  
IntegerMe.device.Controller.GetCapabilityValue(cap, val)
```

See also: [HOWTO: Track down a TWAIN Custom Capability](#)

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