

MG-S Scale OPOS Driver

- Software Manual -

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1. Getting Started

◆ Operating System

This software supports the following operating systems.

- Windows 10* 32bit and 64bit (except Windows 10 Mobile and Windows 10 IoT)
- Windows 8.1* 32bit and 64bit (except Windows RT 8.1)
- Windows 8* 32bit and 64bit (except Windows RT)
- Windows 7 32bit and 64bit

* Limitation for Windows 8 / 8.1 / 10

- Desktop UI only.

◆ Supported Models

- MG-S322
- MG-S1501
- MG-S8200

◆ Supported Interface

- Serial
- USB

◆ Special Notes

This software only supports the weighting mode of the MG-S Scale.

Other modes such as the counting mode cannot be used.

2. Installation

Follow the instructions below to install the software.

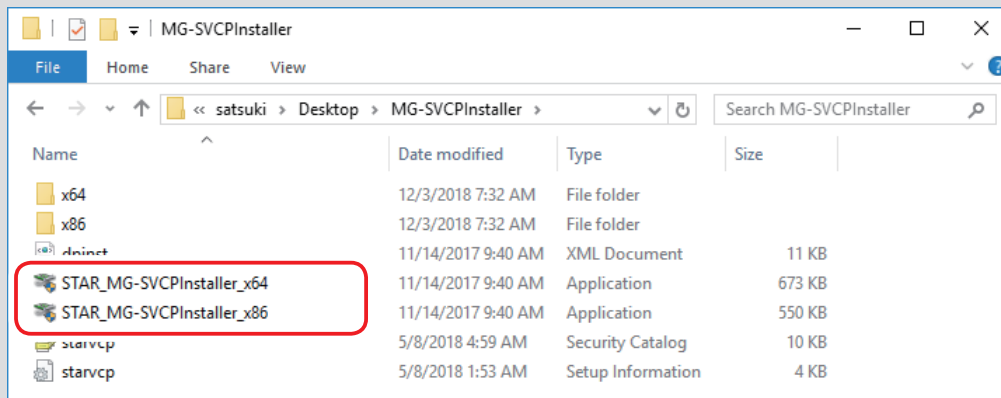
Note:

- Connect MG-S Scale after installation work is completed.
- Administrator privilege is required to run the installation.

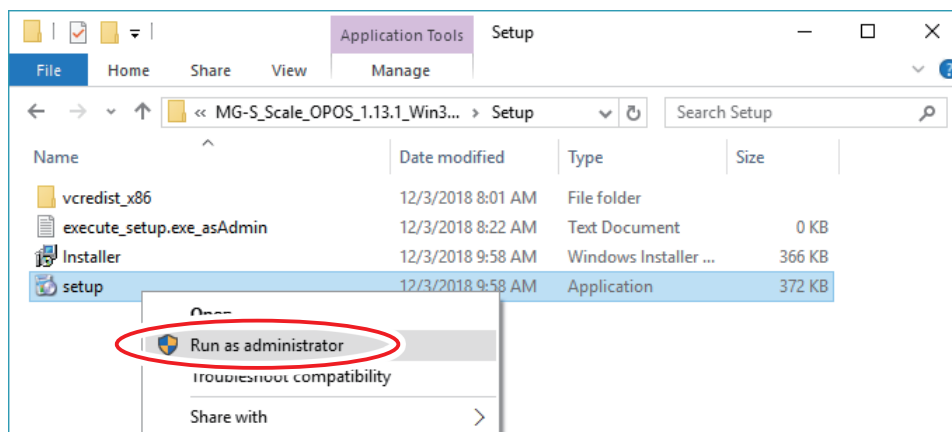
If using the MG-S Scale with a USB connection:

If the MG-S Scale will be used with a USB connection, the USB driver must be installed in advance. Unzip “Star_MG-S_Series_V6.7.4.261_VCPInstaller_20180508.zip” and install the USB driver for your operating system.

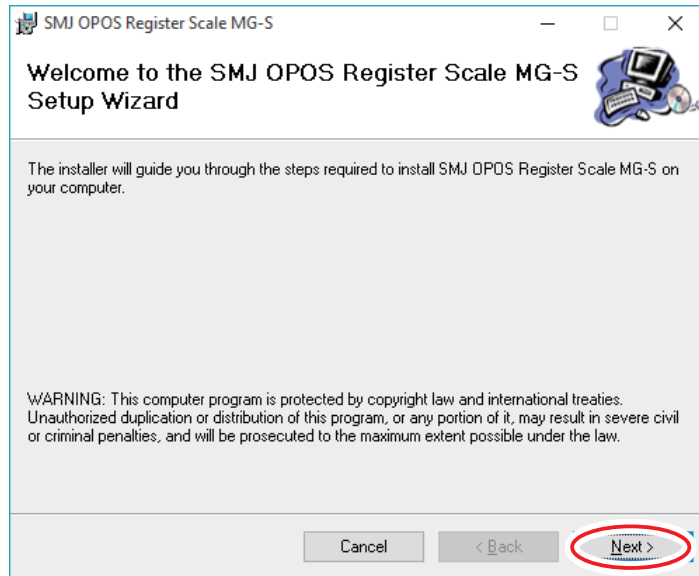
32bit	Star_MG-SVCPInstaller_x86.exe
64bit	Star_MG-SVCPInstaller_x64.exe



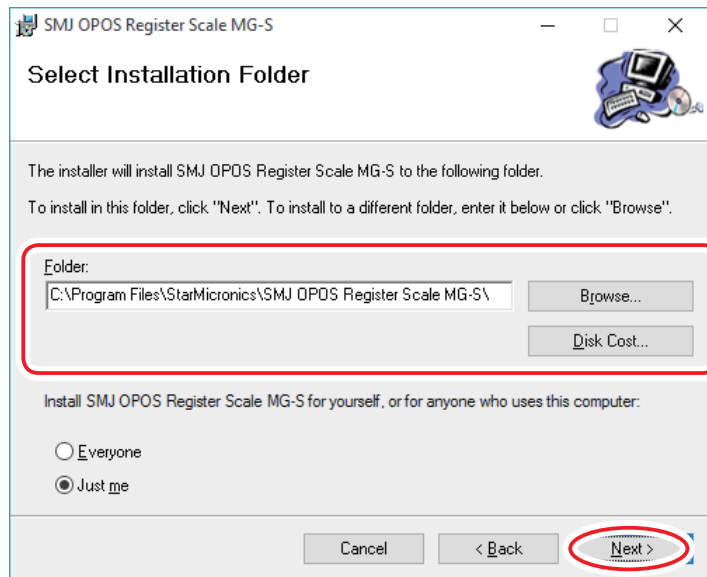
1. Execute “Setup/Setup.exe” from this package as an administrator.



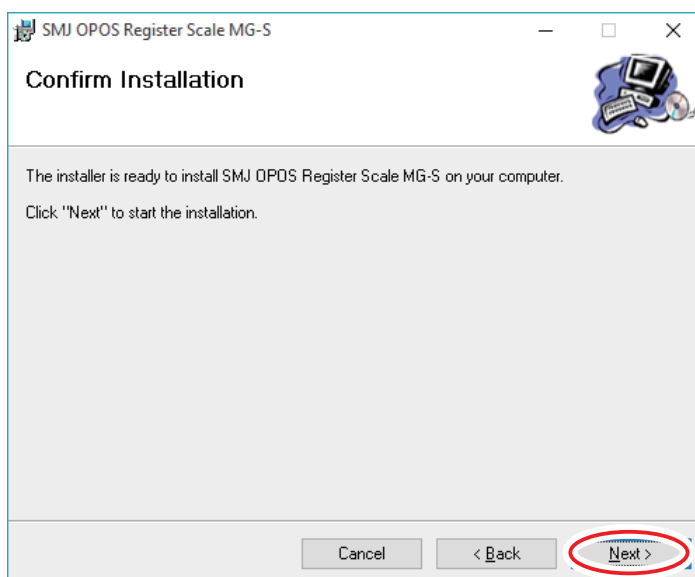
2. Click [Next >].



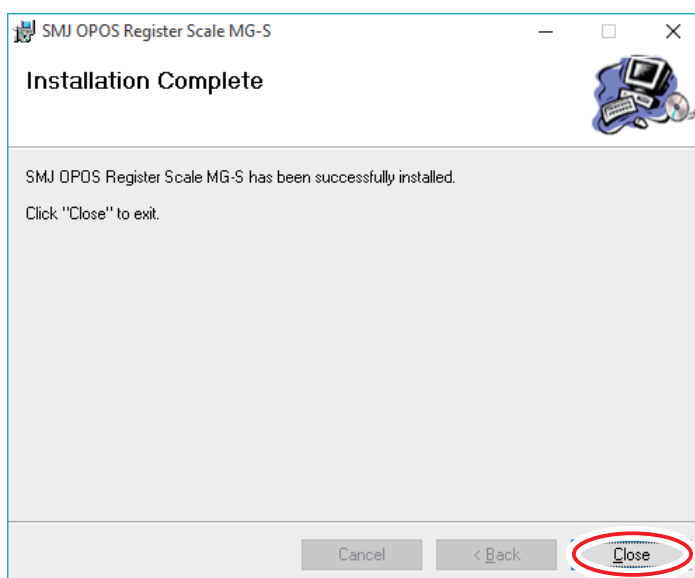
3. Select the installation folder and click [Next >].



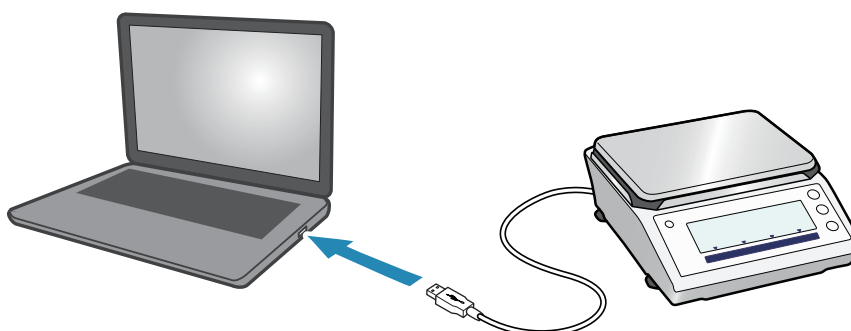
- When click [Next >], start the installation.



- When installation is completed, the following message appears.



- After installation is completed, connect MG-S Scale to the PC and turning it on.

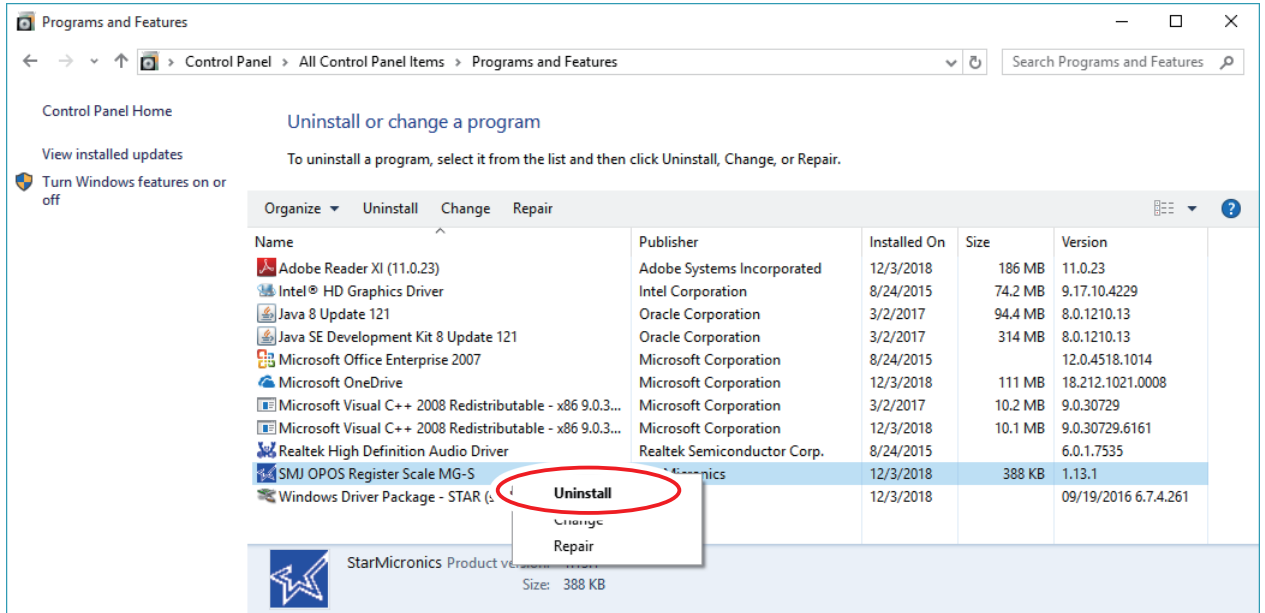


* When using USB

3. Uninstallation

Follow the procedure below to uninstall the MG-S Scale OPOS Driver.

1. Turn OFF the MG-S Scale, and then unplug the power cable adapter from the outlet.
2. From the Windows Start menu, open [Control Panel] - [Programs and Features]. Right-click on “SMJ OPOS Register MG-S” and click [Uninstall].

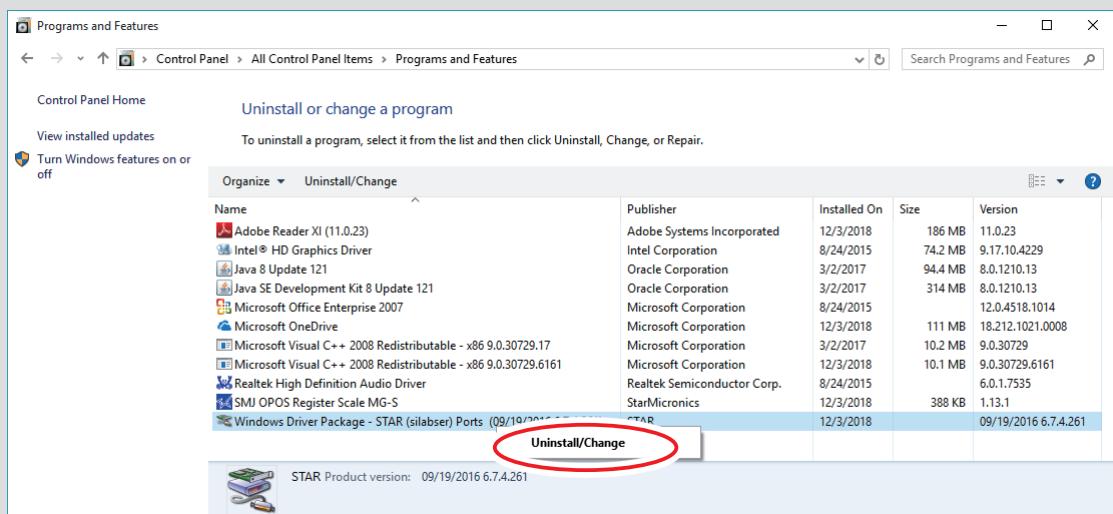


If the MG-S Scale was used with a USB connection:

If the MG-S Scale was used with a USB connection, the USB driver must be uninstalled.

From the Windows Start menu, open [Control Panel] - [Programs and Features].

Right-click on “Windows Driver Package - STAR(silabser) Ports (09/19/2016.6.7.4.261)” and click [Uninstall/Change].

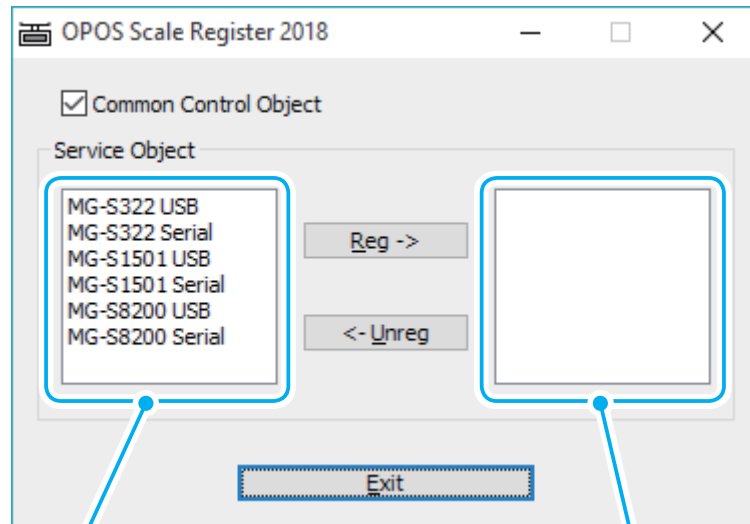


4. OPOS device registration

Use the special utility and register the OPOS device.

1. From the Windows Start menu, open [Programs] - [StarMicronics] - [ScaleRegister].

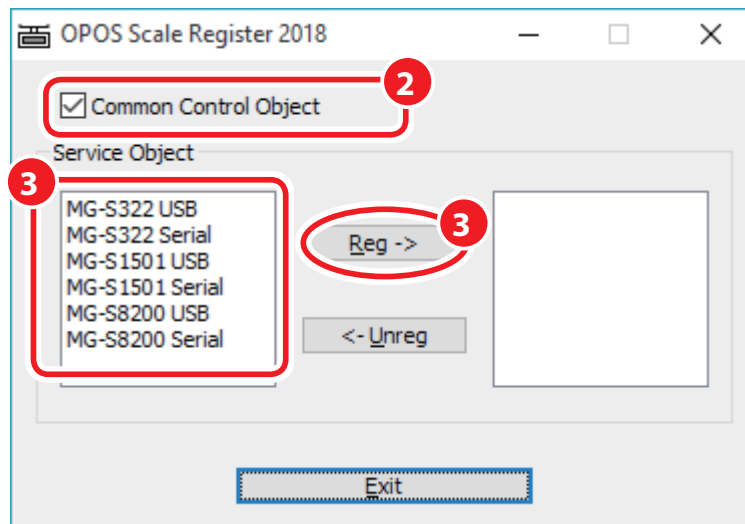
The window shown below appears.



List of connectible Scale Register

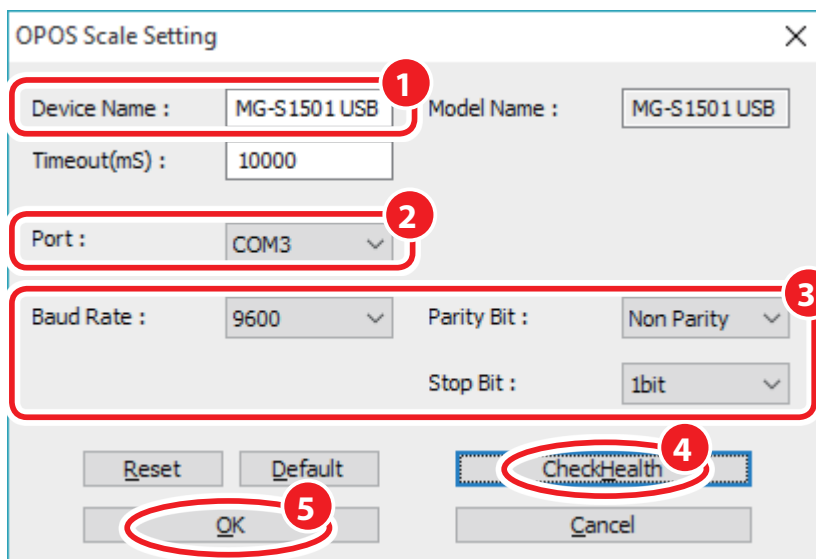
List of registered Scale Register

2. In order to register a CCO, select the "Common Control Object" check box. ②
3. Select the model and interface from the list of connectible Scale Registers on the left side, and then click [Reg >]. ③

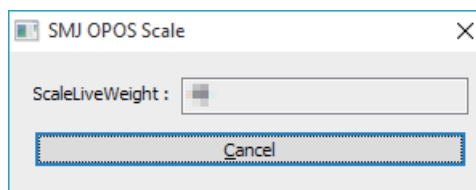


Point! The model name is displayed when the scale power is turned on.

4. The window shown below appears.

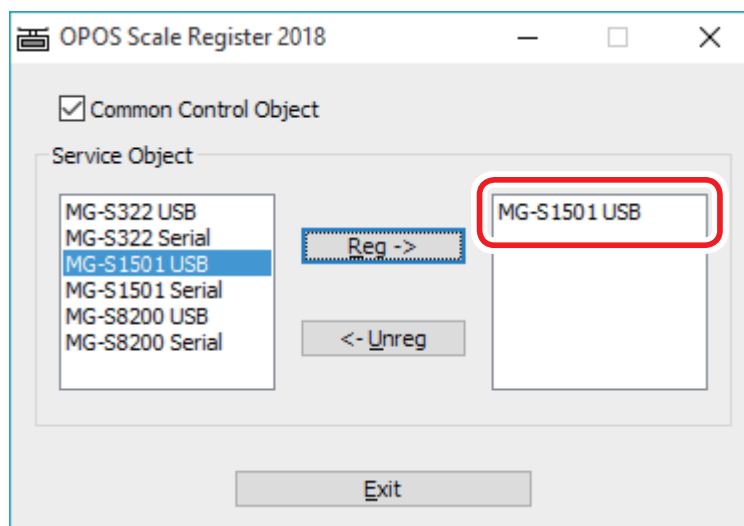


① Device Name:	Enter the name of the device that will be used with OPOS.
② Port:	Set the COM port number to which the device is connected.
③ Baud Rate: / Parity Bit: / Stop Bit:	Check and set the communication settings of the device to be used.
④ CheckHealth	Checks whether the scale is connected correctly with the current settings and is operated properly by the OPOS driver. The following window is displayed when the scale is connected.



After checking, click [OK] to register. ⑤

5. When registration is completed, the registered device name appears in the list of registered Scale Register on the right side of the window.



5. OPOS functions list

A list of functions that can be configured with MG-S Scale is shown below.

◆ Properties

Property	Supporting Status	Remarks
AutoDisable	<input type="radio"/>	
BinaryConversion	<input type="radio"/>	
CapCompareFirmwareVersion	<input type="radio"/> FALSE	
CapPowerReporting	<input type="radio"/> OPOS_PR_STANDARD	
CapStatisticsReporting	<input type="radio"/> FALSE	
CapUpdateFirmware	<input type="radio"/> FALSE	
CapUpdateStatistics	<input type="radio"/> FALSE	
CheckHealthText	<input type="radio"/>	
Claimed	<input type="radio"/>	
DataCount	<input type="radio"/>	
DataEventEnabled	<input type="radio"/>	
DeviceEnabled	<input type="radio"/>	
FreezeEvents	<input type="radio"/>	
OpenResult	<input type="radio"/>	
OutputID	Not Supported	
PowerNotify	<input type="radio"/>	
PowerState	<input type="radio"/>	
ResultCode	<input type="radio"/>	
ResultCodeExtended	<input type="radio"/>	
State	<input type="radio"/>	
ControlObjectDescription	<input type="radio"/>	
ControlObjectVersion	<input type="radio"/>	
ServiceObjectDescription	<input type="radio"/> "SMJ OPOS Scale ServiceObject"	
ServiceObjectVersion	<input type="radio"/> 1013001	
DeviceDescription	<input type="radio"/> "SMJ OPOS Scale"	
DeviceName	<input type="radio"/>	
CapDisplay	<input type="radio"/> TRUE	
CapDisplayText	<input type="radio"/> FALSE	
CapPriceCalculating	<input type="radio"/> FALSE	
CapStatusUpdate	<input type="radio"/> TRUE	
CapTareWeight	<input type="radio"/> FALSE	
CapZeroScale	<input type="radio"/> TRUE	
AsyncMode	<input type="radio"/>	
MaxDisplayTextChars	0	CapDisplayText=FALSE

Property		Supporting Status	Remarks
MaximumWeight	<input type="radio"/>	SCAL_WU_GRAM MG-S322 : 320000 MG-S1501 : 1500000 MG-S8200 : 8200000 SCAL_WU_OUNCE MG-S322 : 11000 MG-S1501 : 52000 MG-S8200 : 280000 SCAL_WU_POUND MG-S322 : 700 MG-S1501 : 3300 MG-S8200 : 18000	320g/1500g/8200g 11oz/52oz/280oz 0.7lb/3.3lb/18lb
SalesPrice		0	CapPriceCalculating=FALSE
ScaleLiveWeight	<input type="radio"/>		
StatusNotify	<input type="radio"/>		
TareWeight		0	CapTareWeight=FALSE
UnitPrice		0	CapPriceCalculating=FALSE
WeightUnit	<input type="radio"/>	SCAL_WU_GRAM SCAL_WU_OUNCE SCAL_WU_POUND	
ZeroValid	<input type="radio"/>		

◆ Methods

Method	Supporting Status		Remarks
Open	<input type="radio"/>		
Close	<input type="radio"/>		
ClaimDevice	<input type="radio"/>		
ReleaseDavice	<input type="radio"/>		
CheckHealth	<input type="radio"/>		
ClearInput	<input type="radio"/>		
ClearInputProperties		Not Supported	
ClearOutput		Not Supported	
CompareFirmwareVersion			
DirectIO			
ResetStatistics			
RetrieveStatistics			
UpdateFirmware			
UpdateStatistics			
DisplayText			CapDisplayText=FALSE
ReadWeight	<input type="radio"/>		
ZeroScale	<input type="radio"/>		

◆ Events

Event	Supporting Status		Remarks
DataEvent	<input type="radio"/>		
DirectIOEvent			
ErrorEvent	<input type="radio"/>		
OutputCompleteEvent		Not Supported	
StatusUpdateEvent	<input type="radio"/>		

6. OPOS Sample Program

After installing, the Visual Studio 2008 C# project is saved in the following folder.

64-bit version

Program Files (x86)\StarMicronics\SMJ OPOS Register Scale MG-S\ScaleSample

32-bit version

Program Files\StarMicronics\SMJ OPOS Register Scale MG-S\ScaleSample

This sample program can be used to test OPOS operation.

7. Version History

Rev. No.	Date of Revision	Changes
Rev. 1.0	Dec. 2018	First edition.



URL: <http://www.starmicronics.com/support/>