# Developers Guide

OPOS service objects export a uniform interface; however there may be

slight differences between the same types of devices from different vendors

and models. Queries of OPOS properties reveal these differences. Below

listed properties, methods, and events are SuperLead device specific

return values. Other SuperLead service objects with different interfaces

may produce slightly different results. Developers are advised to consider

all error conditions in designing an application.

# Scanner Properties

## Common Properties

### AutoDisable:

Returns **TRUE** or **FALSE** depending on the previous **SetProperty** call.

### BinaryConversion:

Returns **TRUE** or **FALSE** depending on the previous **SetProperty** call.

### CheckHealthText:

**Internal HCheck**: will return health string

**External HCheck**: will return health string

**Interactive HCheck**: will return health string

This property is empty before the first call to the **CheckHealth** method.

### Claimed:

Returns **TRUE** after Claim method has been called. **FALSE** otherwise.

**SuperLead** devices are exclusive. It is recommended that a program keep

the device **Claimed** as long as the application is running.

### DataCount:

Returns the number of Data Events Queued.

### DataEventEnabled:

Returns **TRUE** or **FALSE** depending on the previous **SetProperty** call.

### DeviceEnabled:

Returns **TRUE** or **FALSE** depending on the previous **SetProperty** call.

### FreezeEvents:

Returns **TRUE** or **FALSE** depending on the previous **SetProperty** call.

### OpenResult:

Returns 0.

### PowerNotify:

Returns **OPOS\_PN\_DISABLED**.

### PowerState:

Returns **OPOS\_PS\_UNKNOWN**.

### ResultCode:

Returns result of last operation.

### ResultCodeExtended:

Returns 0.

### State:

Returns

**OPOS\_S\_CLOSED**

**OPOS\_S\_IDLE**

**OPOS\_S\_ERROR**

### DeviceServiceDescription:

Returns a descriptive string depending on the interface and device type.

### DeviceServiceVersion:

Returns **10080XX**. where **XX** is the minor version.

### DeviceDescription:

Returns a descriptive string depending on the interface and device type.

## Device Specific Properties

### DecodeData:

Returns **TRUE** or **FALSE** depending on the previous **SetProperty** call.

### ScanData:

Holds the raw scanned data received from the scanner.

**ScanData** property always has bar code data when a DataEvent is fired. For

Tabletop scanners, the bar code data may be sent across the USB interface

as uncompressed Binary Coded Decimal (BCD), depending upon scanner

configuration and bar code type.

### ScanDataLabel:

Holds the scanned and decoded data from the scanner if **DecodeData**

property is **TRUE**. If the decoded data did not contain a check digit, the

scanner service will add the check digit to **ScanDataLabel** for EAN/UPC

bar codes.

Contains data if **DecodeData** is **TRUE**.

### ScanDataType:

Returns scanned data type of the most recent label from the scanner.

Returned value is one of **SCAN\_SDT\_XXXX** constants, where **XXXX** is the

type of the label. Refer to OPOS Scanner header file for the numerical values.

Contains label type if **DecodeData** is **TRUE**.

Label type as reported on scanner interface — the scanner assigns a label

type identifier and sends this with the label data across the interface. The

Service Object translates this into one of the OPOS defined label types. For

the RS-232 interface, the scanner configuration must be correctly set for

the Service Object to properly identify label type.

# Scanner Methods

## Common Methods

### Open:

Returns

**OPOS\_SUCCESS**

**OPOS\_E\_NOSERVICE**

**OPOS\_E\_NOEXIST**

**OPOS\_E\_ILLEGAL**

### Close:

Returns OPOS\_SUCCESS

### ClaimDevice:

Returns

**OPOS\_SUCCESS**

**OPOS\_E\_NOSERVICE**

**OPOS\_E\_ILLEGAL**

**OPOS\_E\_CLAIMED**

This call will activate the communication with the device. **SuperLead**

devices are exclusive. It is recommended that a program keep the device

**Claimed** as long as the application is running.

### CheckHealth:

**OPOS\_CH\_INTERNAL** is supported.

**OPOS\_CH\_EXTERNAL** is supported.

**OPOS\_CH\_INTERACTIVE** is supported.

Returns

**OPOS\_SUCCESS**

**CheckHealthText** property will hold the text result of this method call.

### ReleaseDevice:

Returns **OPOS\_SUCCESS**, **OPOS\_E\_ILLEGAL**, or **OPOS\_E\_NOTCLAIMED**.

This call will deactivate the communication with the device.

## Device Specific Methods

None.

# Scanner Events

## Common Event

### DataEvent:

This event fires when a label is forwarded from scanner.

### DirectIOEvent:

Not supported.

### ErrorEvent:

Not used.

## Device Specific Events:

None.