



# **Application Programming Guide OPOS Driver**

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**Rev. 1.04**

**SPP-R200**

**SPP-R200II**

**SPP-R300**

**SPP-R400**

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## **1. Instruction**

This is a manual about how to set and configure device and to develop applications to use BIXOLON POS MSR with BIXOLON OPOS driver.

Before use BIXOLON POS MSR, set and configure MSR by using BIXOLON OPOS driver Setup Utility.

Throughout this manual, “OLE for Retail POS” is called “OPOS”.

Throughout this manual, “Unified for Retail POS” is called “UPOS”.

Further Source

OLE for Retail POS committee available from <http://monroecs.com/opos.htm>

Driver Update from <http://www.bixolon.com>

We at BIXOLON maintain ongoing efforts to enhance and upgrade the functions and quality of all our products. In following, product specifications and/or user manual content may be changed without prior notice..

## 2. Development environment

### 2-1 Communication Configuration

#### 1) Communication Configuration for serial interface

You will set communication configuration in BIXOLON OPOS Setup Utility.

프린터 모델	통신 속도	프린터 타입	기타
SPP-R200	9600/19200/38400/57600/115200	Mono Thermal	203dpi
SPP-R200II	9600/19200/38400/57600/115200	Mono Thermal	203dpi
SPP-R300	9600/19200/38400/57600/115200	Mono Thermal	203dpi
SPP-R400	9600/19200/38400/57600/115200	Mono Thermal	203dpi

\* Check the default communication setting. For more details refer to the user manual included in the printer package.

### 3. Property / Method

#### 3-1 MSR Type

Property value will be determined by the MSR type, as shown in the below table.

#### 3-2 Property Range / Default Value

##### 3-2-1 Capability property setting value

Capability Property	SPP-R200_MSR / SPP-R200II_MSR SPP-R300_MSR / SPP-R400_MSR
CapCompareFirmwareVersion	FALSE
CapPowerReporting	TRUE
CapStatisticsReporting	FALSE
CapUpdateFirmware	FALSE
CapUpdateStatistics	FALSE
CapCardAuthentication	FALSE
CapDataEncryption	FALSE
CapDeviceAuthentication	FALSE
CapISO	TRUE
CapJISOne	FALSE
CapJISTwo	FALSE
CapTrackDataMasking	FALSE
CapTransmitSentinels	TRUE
CapWritableTracks	FALSE

##### 3-2-2 MSR Method

Method	SPP-R200_MSR / SPP-R200II_MSR SPP-R300_MSR / SPP-R400_MSR
authenticateDevice	X
deauthenticateDevice	X
retrieveCardProperty	X
retrieveDeviceAuthenticationData	X
updateKey	X
writeTracks	X

O: Supported, X: Not supported

## 4. Error Information

This section is to explain returned error information when use MSR methods. For more details, please refer to the UPOS specifications.

### 4-1 ResultCode List

#### ClaimDevice

Method	Result Code	ResultCodeExtended
ClaimDevice	OPOS_E_ILLEGAL	0

#### CheckHealth

Method	Result Code	ResultCodeExtended
CheckHealth	OPOS_SUCCESS	0
	OPOS_E_CLOSED	0
	OPOS_E_CLAIMED	0
	OPOS_E_DISABLED	0
	OPOS_E_ILLEGAL	0
	OPOS_E_OFFLINE	0
	OPOS_E_OFFLINE	0

#### ClearOutput

Method	Result Code	ResultCodeExtended
ClearOutput	OPOS_SUCCESS	0
	OPOS_E_CLOSED	0
	OPOS_E_CLAIMED	0
	OPOS_E_NOTCLAIMED	0