



# FieldServer Driver - Serial FS-8700-65 Silent Knight Gateway Command (SKgwcmd)

## Description

The Silent Knight Gateway Command (SKgwcmd) Driver allows the FieldServer to transfer data to and from devices over either RS-232 or RS-485 using Silent Knight Gateway Command (SKgwcmd) Driver protocol. There are eight RS-232 and two RS-485 ports standard on the FieldServer. The FieldServer can emulate either a Server or Client.

The Silent Knight Gateway Command driver can serve as an active client as well as emulate a Silent Knight 5820 device in server mode.

The Silent Knight unit's serial port settings are configurable. The FieldServer device can be configured to match all Silent Knight port settings.

The driver can process the following commands / queries

- o General System Status
- o System Trouble Status
- o General Zone Status
- o Expanded Zone Status
- o Zone Description
- o Output Group Status
- o Output Group Description
- o Point Status
- o Point Description
- o Time Status
- o gateway Version
- o Disable Point
- o Enable Point
- o Reset Alarms
- o Silence
- o Time Synch

The serial port on the Silent Knight Unit is not addressable and the protocol does not support node identification. Therefore, only one Silent Knight unit can be connected to each port on the FieldServer.

## Formal Driver Type

Serial  
Client or Server

## Compatibility Matrix

FieldServer Model	Compatible with this driver
FS-x2010	Yes, No
FS-x2011	Yes, No
FS-x40	Yes, No



## Protocol Driver



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### Connection Information

Connection type: EIA232 or EIA485 (Two wire, Half-Duplex)  
Baud Rates: Standard Baud Rates up to 19200 (SK Device Limitation)  
Data Bits: 8  
Stop Bits: 1  
Parity: None  
Handshaking: None

### Proprietary Physical Interfaces Supported

Fieldserver Model	Adapter Model #	Vendor	Physical Medium

### Devices tested

Device	Tested (FACTORY, SITE)
TLS-350	SITE

### Connection configurations

### Connection Notes



**Communications functions**

Supported functions at a glance:

**Data Types Supported**

<b>FieldServer Data Type</b>	<b>Description (or Device Data Type)</b>
Analog Input	
Digital Input	
Analog Register	
Digital Register	
Analog Output	
Digital Output	

**Read Operations supported**

<b>FieldServer as a Client</b>	<b>FieldServer as a Server</b>
Read Analog Status:	Provide Analog Status:
Read Binary Status:	Provide Binary Status:
Write Analog Setpoints:	Accept Analog Setpoints:
Write Binary Commands:	Accept Binary Commands:

**Write (Control) Operations supported**

<b>FieldServer as a Client</b>	<b>FieldServer as a Server</b>
Read Analog Status:	Provide Analog Status:
Read Binary Status:	Provide Binary Status:
Write Analog Setpoints:	Accept Analog Setpoints:
Write Binary Commands:	Accept Binary Commands:



**Unsupported Functions and Data Types**

Function	Reason
Programming messages	FieldServer is a data transfer device, and as such, programming messages are not required

Functions Described

**Unsupported Devices or Protocol Options**

Device	Details

**Revision History**

Date	Driver Version	Document Revision	Resp	Comment
9/15/03	1.00	0	MF	Created DFS
1/21/04	1.00	0	JD	Releasing