Technical Information

Writer	Technical Support in HQ	Importance	Low
Issue No.	CS-110309	Date of Issue	9th Mar. 2011
Related Models	SPC-6000, SRD Series	Type	Information
Subject	SPC-6000 Quick Setup Guide		
Contents			

SPC-6000

Quick Set-up Guide

■ **Summary**

The SPC-6000 Quick set-up guide describes how to connect to both an SPD speed dome and Samsung Digital Video Recorder for both basic and multiple operations.

The equipment used in this example includes:
- **SPC-6000(FW v1.00_100913)**
- **SRD-1670DC(FW v1.02_110118164134)**
- **SPD-3750T(Dome v1.28)**

Contents

■ Basic Operation
(1) Hardware Connections

PTZ Camera

SRD Series

SPC-6000

RXD+ RXD-

bypass

TX+ TX- RX+ RX-

Data Flow

TX+ TX- RX+ RX-

RXD+ RXD- TXD+ TXD- GND TX RX

TX RX ALARM OUT ALARM RESET

Data Flow — Image Flow

<Controlling PTZ CAM via COAX>

PTZ Camera

SRD Series

SPC-6000 (Master)

SPC-6000(Slave/SUB)

RXD+ RXD-

Data Flow

TX+ TX- RX+ RX-

TX+ TX- RX+ RX-

PORT1 (for SRD)

PORT1   PORT2

TX+ TX- RX+ RX-
PORT2 (for SPC)

PORT2

TX+ TX- RX+ RX-
PORT2 (for SPC)

RXD+ RXD- TXD+ TXD- GND TX RX

TX RX ALARM OUT ALARM RESET

<Connecting Multi Keyboards>
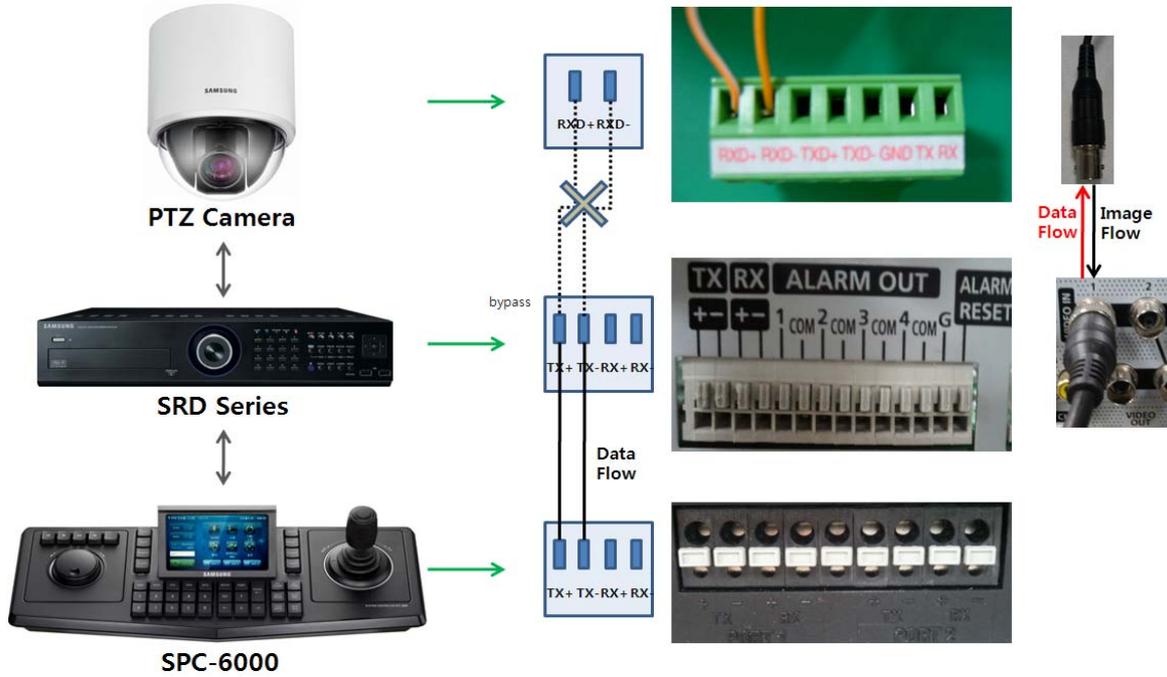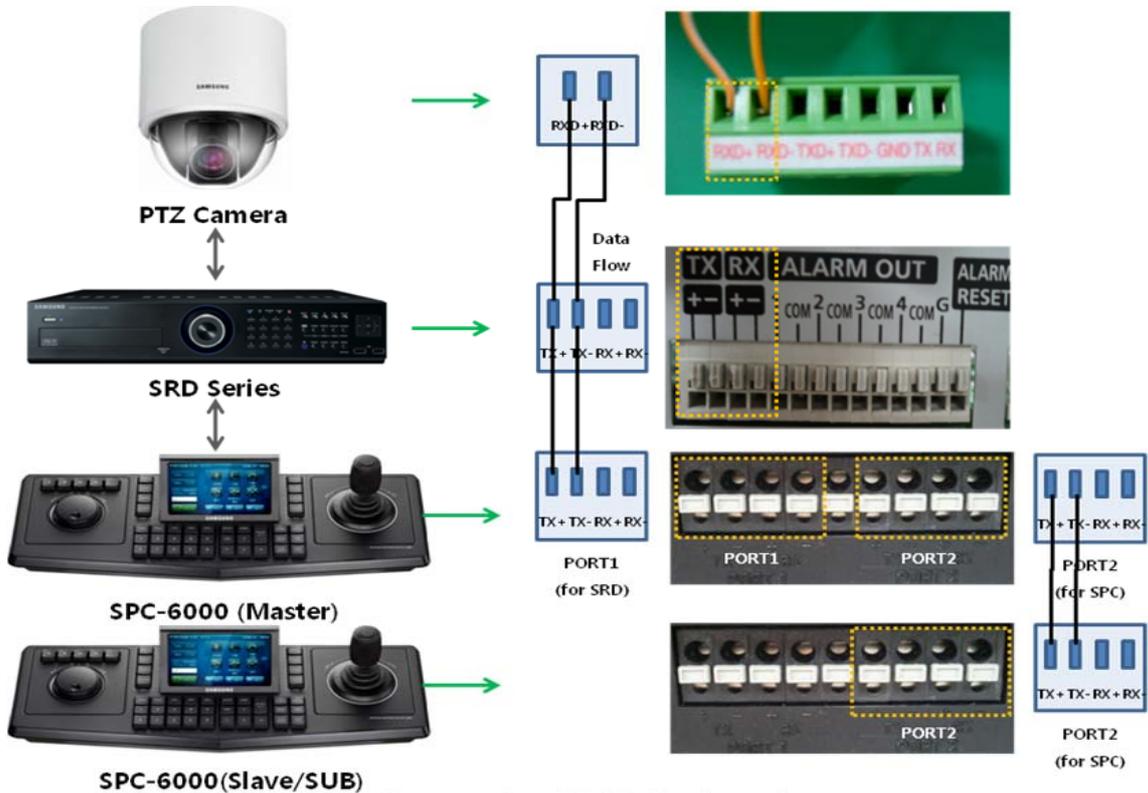
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b. Menu Set

| MODEL	GO TO	MENU SET	PICTURE
SRD-1670DC	Menu → Device → Camera → PTZ	[Coaxial] CCVC(A1 DSP)/PelcoC(W/SV DSP) [RS-485] SamsungE/SamsungT/Vicon/Panasonic/AD/Philips/Erna/PelcoD,P/VCLTP/Diamond/Karatel	
SPC-6000 (Master)	FUNC → SETUP → Controller	Controller ID : RS-485 (Port 1)0 (Port 2)Master/Non-Matrix/9600 (Sub List)Slave ID Enable	
SPC-6000 (Slave N)	FUNC → SETUP → Controller	Controller ID : RS-485 (Port 1)0 (Port 2)SUB N/Non-Matrix/9600	
SPC-6000 (general)	FUNC → SETUP → DVR (for direct DVR control)	(NO.)DVR ID (DVR Type)SRD / SVR / SRP (BAUD)9600	
	FUNC → SETUP → PTZ (for direct PTZ control)	(PROTOCOL) : Samsung T,E / Pelco-D,P / Panasonic / Bosch / Honeywell / ELMO / AD	

Caution : Both of SPC-6000 and SCC-3100A cannot be used as Master, Slave in one system. 2 keyboards are not compatible, if SVR and SRD series are used in one system, the system keyboard should be separately used as recommended below.

- SVR Series : SCC-3100A
- SRD Series : SPC-6000
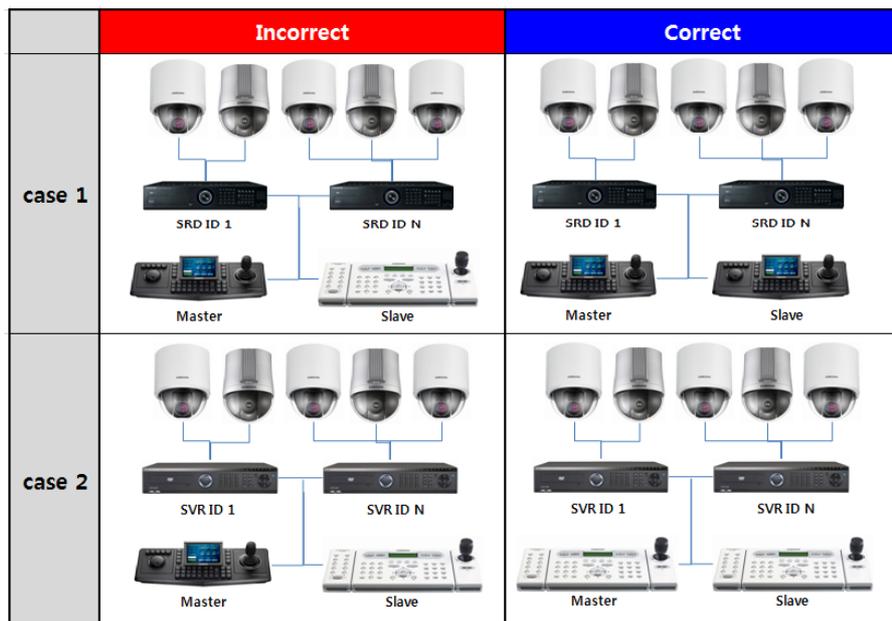
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<Multiple Operation>

a. hardware connection

NO NEED TO SET CAM ID : Camera ID is automatically interlinked to Input Channel

SRD 1 (ID 1)   SRD 2 (ID 2)   SRD 3 (ID 3)   SRD 4 (ID 4)

RS-485+/- data connection

Master   Slave1 (SUB1)   Slave2 (SUB2)   Slave3 (SUB3)

<Proper ID setting on COAX CAMERA SYSTEM>

First, let's take a look at the system with coax camera installed. In order to control the specific camera of the specific SRD connected, what you only need to do is to connect SRD. If succeed, keyboard will send packets to control SRD and SRD will control PTZ cameras. For example, if you would like to control Camera which is connected to channel 1 of SRD, Connect SRD first by pushing [DVR] + [1] + [Enter] and choose channel 1. Also, if you would like to control Camera connected to channel 2 of SRD 2, Connect SRD by pushing [DVR] + [2] + [Enter] + [2] + [CAM] in sequence.

PTZ 1 (ID 2)   PTZ 2 (ID 3)   PTZ 3 (ID 5)   PTZ 4 (ID 6)   PTZ 5 (ID 7)   PTZ 6 (ID 9)   PTZ 7 (ID 10)   PTZ 8 (ID 12)   PTZ 9 (ID 13)   PTZ 10 (ID 14)

RS-485+/- data connection

SRD 1 (ID 1)   SRD 2 (ID 4)   SRD 3 (ID 8)   SRD 4 (ID 11)

RS-485+/- data connection

Master   Slave1 (SUB1)   Slave2 (SUB2)   Slave3 (SUB3)

<Proper ID setting on RS-485 CAMERA SYSTEM>
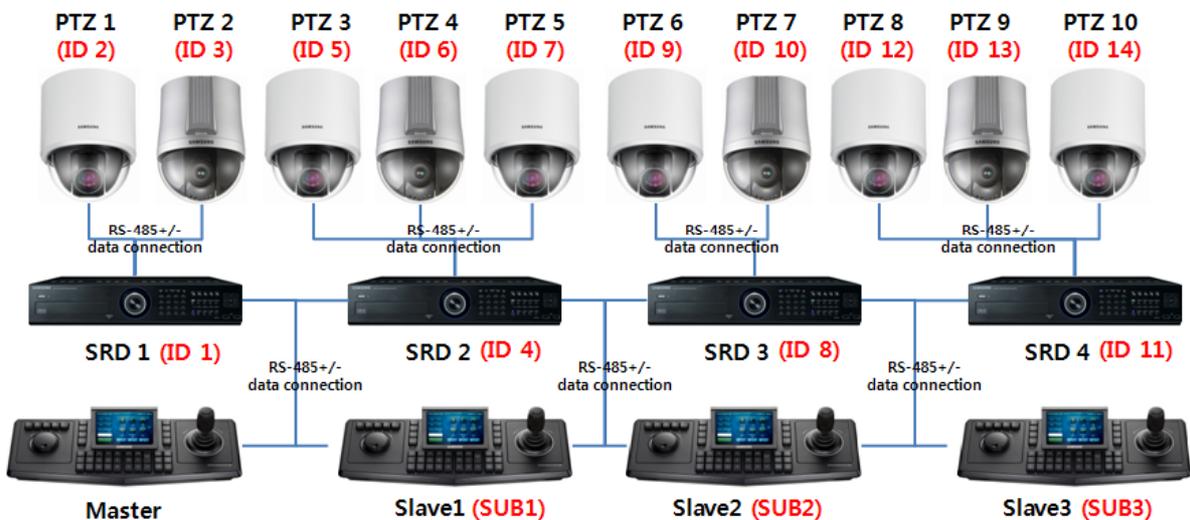
In case of system using RS-485 data cable, TX port on rear side of SRD will connect both of keyboard data +/- and camera data +/-. It looks like the SRD uses 'Serial control' (Keyboard controls SRD, and SRD controls Camera that I call it 'Serial control') but SRD will just bypass the data from the keyboard and pass it to the camera directly.(I call it 'Parallel control') In short,

- SRD with coax PTZ : Serial control from the keyboard
- SRD with RS-485 PTZ : Parallel control from the keyboard (SRD bypass data & Keyboard controls PTZ directly)

Therefore, Please assign ID of PTZs & SRDs with all different numbers to prevent communication error of the data between the keyboard and devices. Also please don't forget to set termination as 'ON' for far position of camera from the DVR.

b. menu set

MODEL	GO TO	MENU SET	PICTURE
SRD-1670DC	SRD 1 : Menu → Device → Remote Device SRD N : Menu → Device → Remote Device	System Keyboard : ON ID : 1 System Keyboard : ON ID : N	
SPC-6000	(Master) FUNC → SETUP → Controller	Controller ID : RS-485 (Port 1)0 (Port 2)Master/Non-Matrix/9600 (Sub List)Slave ID Enable	
	(Slave N) FUNC → SETUP → Controller	Controller ID : RS-485 (Port 1)0 (Port 2)SUB N/Non-Matrix/9600	

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c. Controller Operation

MODEL	MENU SET	PICTURE
SRD Selection	SRD 1 : DVR button → 1 → Enter SRD 2 : DVR button → 2 → Enter … SRD N : DVR button → N → Enter	
PTZ Selection	(DVR Mode) PTZ 1 : DVR button → 1 → Enter → 1 → CAM button PTZ 2 : DVR button → 1 → Enter → 2 → CAM button … PTZ N : DVR button → M → Enter → N → CAM button	
	(PTZ Mode) PTZ 1 : PTZ button → 1 → Enter PTZ 2 : PTZ button → 2 → Enter … PTZ N : PTZ button → N → Enter	

- End -