

SAMSUNG TECHWIN

SYSTEM CONTROLLER

Quick Guide

SPC-2010



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English

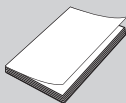
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WHAT'S INCLUDED

Unpack the product package and place the product on the floor or a flat surface.
Check if the following components are all included in the product package.



Main Unit



User Manual



Power Adaptor 1EA




Terminal Block 1EA

SYSTEM CONTROLLER AT A GLANCE

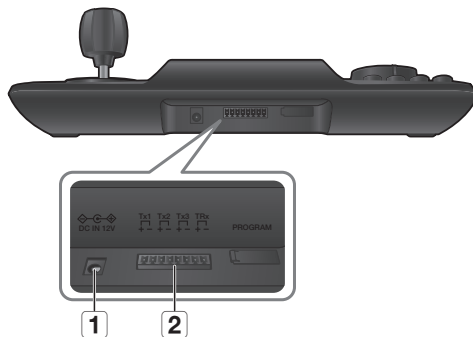
Front Side




Item	Description
1 DVR Play Bar	Play/Pause, Fast Forward/Fast Backward, Stop, Record
2 ESC / PWR	Cancels a command or turns power on/off.
3 LCD Display	Display the operation status and the setup menu of the system controller.
4 Controller Selection Bar	Used to select a camera, monitor or DVR.
5 Joystick Controller	You can manipulate the Pan/Tilt operation up or down in connection with the PTZ camera or receiver unit. Turn the joystick clockwise or counter clockwise to control zooming. You can control the direction of the connected controller from the menu screen of the controller.
6 Camera Operation Bar	Runs Preset, Group, Auto Focus and Aux output functions.
7 DVR Control Bar	Executes the selected DVR's Audio, Search, screen mode selection, Freeze and Alarm Control.

Item		Description
8 Camera Lens Bar	IRIS	Control Iris (-: CLOSE/+: OPEN)
	FOCUS	Adjust the focus (-: NEAR/+: FAR)
	ZOOM	Zoom In/Out (W: WIDE/T: TELE)
9 Others	MENU	Enters PTZ and DVR menu.
	FUNC	Press [FUNC] button and desired function button to run.
	SETUP	Press a number button and press [SETUP] button to enter the settings menu.
	 PTZ	Used in DVR mode for controlling the camera connected to the DVR.
10 Number (0-9), ENT, CLR Buttons	Number (0-9)	Used to specify numeric characters for camera, monitor, DVR or Preset settings.
	ENT	Move to a desired item using the navigation buttons and select it.
	CLR	Cancel the current operation.
11 Jog Shuttle	Jog	Used to search for forward/reverse frame in DVR play mode.
	Shuttle	Forward/Reverse/Play/FF/REW in DVR play mode.

Rear Side



Item	Description
1 Power	DC 12V input port (⬅️➡️)
2 RS-485/422	For RS-485/422 communication, connected to camera, DVR and other control devices.

 ■ [PROGRAM] is not for user's accessing.

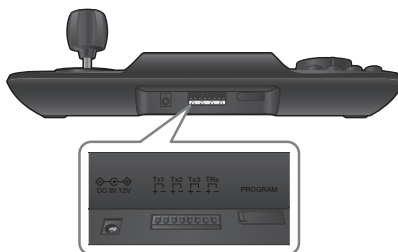
TO CONNECT A RS-485/422 DEVICE

With the system controller, you can control the PTZ camera or DVR that supports RS-485/422 communication protocols.

1. Connect the rear Tx1 with RS-485 port of the PTZ camera or DVR.
2. According to the external device connected, select RS-485 (Half Duplex) or RS-422 (Full Duplex) connection.



- For RS-485/422 communications, pay special attention to the polarity (+/-).
- Use the provided terminal block in the product package.
- Check if the RS-485/422 device is compatible with SPC-2010.

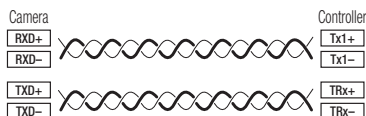


Connecting RS-485/422 Signal Wires

• RS-485 Communications



• RS-422 Communications



- You may use the Tx2 or Tx3 terminal instead of Tx1.

Connecting the PTZ Camera

By connecting RS-485 port on the rear of the PTZ camera with Tx of SPC-2010, you can control the camera.

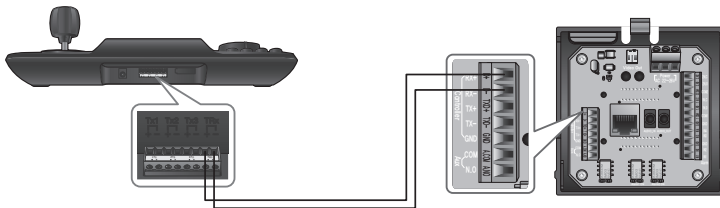


■ Depending on the camera, the polarity may differ.

For more information, refer to the user manual of the PTZ camera.

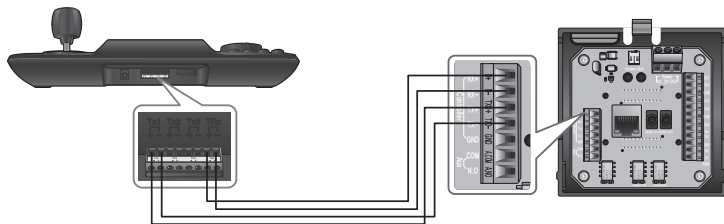
For the half duplex system

- Connect Rx (+) of RS-485 port of the PTZ camera with TRx (+) of SPC-2010.
- Connect Rx (-) of RS-485 port of the PTZ camera with TRx (-) of SPC-2010.
 - If connecting a PTZ camera without using DVR device, you can connect to Tx1, Tx2 or Tx3 instead of TRx.



For the full duplex system

- Connect Rx (+) of RS-485 port of the PTZ camera with Tx1 (+) of SPC-2010.
- Connect Rx (-) of RS-485 port of the PTZ camera with Tx1 (-) of SPC-2010.
- Connect Tx (+) of RS-485 port of the PTZ camera with TRx (+) of SPC-2010.
- Connect Tx (-) of RS-485 port of the PTZ camera with TRx (-) of SPC-2010.

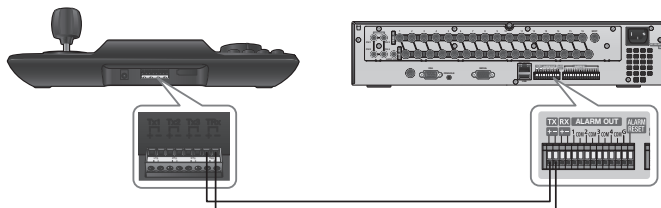


Connecting SRD-16XX/8XX Series DVR

Connect between DVR and SPC-2010 using RS-485 port on the rear of the DVR.

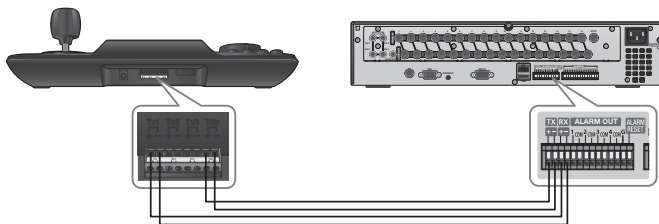
For the half duplex system

- Connect Tx (+) of RS-485 port of the DVR with TRx (+) of SPC-2010.
- Connect Tx (-) of RS-485 port of the DVR with TRx (-) of SPC-2010.



For the full duplex system

- Connect Tx (+) of RS-485 port of the DVR with TRx (+) of SPC-2010.
- Connect Tx (-) of RS-485 port of the DVR with TRx (-) of SPC-2010.
- Connect Rx (+) of RS-485 port of the DVR with Tx1 (+) of SPC-2010.
- Connect Rx (-) of RS-485 port of the DVR with Tx1 (-) of SPC-2010.

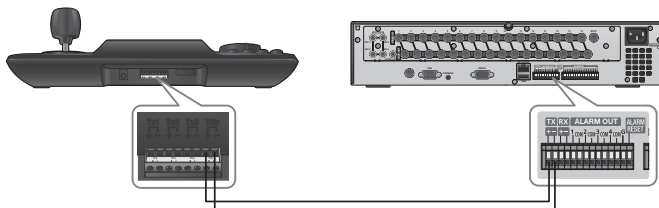


Connecting SRD-4XX DVR

Connect RS-485 port on the rear of SRD-4XX with SPC-2010.

For the half duplex system

- Connect Tx (+) of SRD-4XX with TRx (+) of SPC-2010.
- Connect Tx (-) of SRD-4XX with TRx (-) of SPC-2010.



■ Not supported by SRD-480D.



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