

SAMSUNG TECHWIN

CONTROLADOR DEL SISTEMA

Manual del usuario

SPC-6000



SAMSUNG

SAMSUNG

Controlador Del Sistema

Manual del usuario

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Tenga en cuenta que otros problemas que sucedan por no cambiar la contraseña será responsabilidad del usuario.

INSTRUCCIONES DE SEGURIDAD IMPORTANTES

1. Lea estas instrucciones.
2. Consérvelas.
3. Atente para todas las advertencias.
4. Siga todas las instrucciones.
5. No utilice este aparato cerca del agua.
6. Límpielo únicamente con un paño seco.
7. No obstruya ninguna apertura de ventilación. Instale el aparato siguiendo las instrucciones del fabricante.
8. No lo instale cerca de ninguna fuente de calor como radiadores, focos de calor o cualquier otro aparato (incluidos los amplificadores) que emita calor.
9. No olvide que la finalidad de los enchufes polarizados o de toma a tierra es proporcionarle seguridad. Un enchufe polarizado tiene dos clavijas, una más ancha que la otra. Un enchufe con toma a tierra tiene dos clavijas y una tercera de toma a tierra. Tanto la clavija más ancha, en el caso del enchufe polarizado, como la clavija adicional, en el caso del enchufe con toma a tierra, tienen como objetivo aportarle seguridad. Si el enchufe del aparato no encaja en su toma de corriente, póngase en contacto con un electricista para cambiar la toma de corriente obsoleta.
10. Evite pisar o doblar el cable de alimentación. Ponga especial cuidado para no hacerlo en enchufes, tomas de corriente y en los puntos en los que salen desde el aparato.
11. Utilice únicamente los dispositivos y accesorios especificados por el fabricante.
12. Utilice sólo las mesitas con ruedas, soportes, trípodes o mesas recomendadas por el fabricante o vendidas con el aparato. Cuando se utilice una mesita con ruedas, tenga cuidado al mover la mesita con ruedas junto con el aparato para evitar daños por vuelco.
13. Desenchufe este aparato durante tormentas eléctricas o cuando no se utilice durante largos períodos de tiempo.
14. Remita todas las reparaciones a personal de mantenimiento cualificado. Es necesario enviar el aparato para su reparación cuando ha sufrido cualquier tipo de daño, como, por ejemplo, que el cable o el enchufe de la alimentación está dañado, se han derramado líquidos sobre el aparato o algún objeto ha caído sobre él, el aparato ha sido expuesto a la lluvia o a humedad, no funciona correctamente o se ha caído al suelo.



descripción

ADVERTENCIA

PARA REDUCIR EL RIESGO DE INCENDIO O DESCARGA ELÉCTRICA, MANTENGA ESTE DISPOSITIVO LEJOS DE LLUVIA Y/O LA HUMEDAD. NO INSERTE NINGÚN OBJETO METÁLICO EN LAS REJILLAS DE VENTILACIÓN NI EN NINGUNA ABERTURA DEL EQUIPO.

No debe exponer el aparato a gotas ni salpicaduras de agua ni a objetos con líquido, como jarrones, evitando colocarlos sobre el aparato.

PRECAUCIÓN

	PRECAUCIÓN NO ABRIR RIESGO DE SUFRIR UNA DESCARGA ELÉCTRICA	
PRECAUCIÓN : PARA REDUCIR EL RIESGO DE SUFRIR UNA DESCARGA ELÉCTRICA, NO RETIRE LA CUBIERTA (NI LA PARTE POSTERIOR). DENTRO NO HAY PIEZAS QUE PUEDAN SER REPARADAS POR EL USUARIO. REMITA EL APARATO A PERSONAL DE MANTENIMIENTO CUALIFICADO.		

EXPLICACIÓN DE LOS SÍMBOLOS GRÁFICOS



Un triángulo con un rayo y una punta de flecha es un símbolo de advertencia para avisar al usuario de la presencia de “voltajes peligrosos” dentro de la carcasa del producto que pueden ser lo suficientemente intensas como para constituir un peligro de descarga eléctrica.



Un triángulo con un signo de exclamación es un símbolo de advertencia para avisar al usuario de que hay instrucciones importantes de funcionamiento y mantenimiento (reparaciones) en la documentación que acompaña al aparato.

Lea detenidamente las precauciones de seguridad recomendadas que se incluyen a continuación.

No coloque este aparato sobre una superficie desigual. 	No lo instale en una superficie expuesta a la luz directa del sol, cerca de equipos de calefacción ni cerca de áreas frías. 
No coloque este aparato cerca. 	No intente reparar este aparato por sí solo. 
No coloque jarrones sobre el producto. 	No lo instale cerca de fuentes magnéticas. 
No bloquee las aberturas de ventilación. 	No coloque objetos pesados sobre el producto. 

El Manual del usuario es una guía sobre cómo utilizar los productos

El significado de los signos que se utilizan en el manual es el siguiente

- Referencia : en caso de que se facilite información de ayuda sobre el uso del producto
 - Aviso : si existe alguna posibilidad de que se produzcan daños en bienes o lesiones en personas causadas por no seguir las instrucciones
- ✖ Lea este manual por razones de seguridad antes de utilizar los productos y guárdelo en un lugar seguro.

descripción



Samsung Techwin respeta el medio ambiente durante todo el proceso de fabricación de sus productos y realiza una serie de procedimientos orientados a ofrecer productos ecológicos.

El símbolo Eco representa el compromiso de Samsung Techwin de fabricar productos que respeten el medio ambiente e indica a la vez que este equipo cumple con la Directiva de la Unión Europea EU RoHS.



Eliminación correcta de este producto (Residuos de aparatos eléctricos y electrónicos)

(Aplicable en la Unión Europea y en países europeos con sistemas de recogida selectiva de residuos)

La presencia de este símbolo en el producto, accesorios o material informativo que lo acompañan, indica que al finalizar su vida útil ni el producto ni sus accesorios electrónicos (como el cargador, cascos, cable USB) deberán eliminarse junto con otros residuos domésticos. Para evitar los posibles daños al medio ambiente o a la salud humana que representa la eliminación incontrolada de residuos, separe estos productos de otros tipos de residuos y reciclelos correctamente. De esta forma se promueve la reutilización sostenible de recursos materiales.

Los usuarios particulares pueden contactar con el establecimiento donde adquirieron el producto o con las autoridades locales pertinentes para informarse sobre cómo y dónde pueden llevarlo para que sea sometido a un reciclaje ecológico y seguro.

Los usuarios comerciales pueden contactar con su proveedor y consultar las condiciones del contrato de compra. Este producto y sus accesorios electrónicos no deben eliminarse junto a otros residuos comerciales.

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CARACTERÍSTICAS PRINCIPALES

El controlador del sistema SPC-6000 le permite controlar dispositivos externos como una cámara PTZ, un DVR, MATRIX utilizando comunicaciones RS-485.

Proporciona una interfaz de usuario sencilla con menú en pantalla, pantalla táctil y joystick.

- Mando a distancia de larga distancia
- Con comunicaciones RS-485, puede controlar un alcance máximo de 1km.
- Control integrado del sistema
- Con un único controlador del sistema, puede controlar todas las cámaras (la unidad de recepción), el DVR y MATRIX.
- Existe la posibilidad de conectar varios controladores del sistema
- Puede controlar el sistema en sitios diferentes y conectar hasta 16 controladores de forma simultánea.
- Cambie la posición entre el joystick y el módulo del mando de control
- Para mayor comodidad del usuario, las posiciones del joystick y el módulo del mando de control pueden intercambiarse a la izquierda y a la derecha.
- Sencilla interfaz

El estado de funcionamiento del control del sistema aparece en pantalla; la pantalla táctil le permite seleccionar con facilidad un menú; el joystick facilita y simplifica la manipulación.

❖ Lista de compatibilidad

- Cámara
- MATRIX
SMX-25632
- DVR
Serie SRD-XXXX, serie SHR-8/7/6XXX, SVR-1670, SRD-480D

❖ Especificaciones del adaptador

- Tensión : 1) Entrada (CA) : 100~240V
2) Salida (CC) : 12V
- Capacidad (corriente de salida) : 4A
- Carga estándar continua : 48W
- Temperatura : 1) Temperatura de funcionamiento : 0 ~+40°C
2) Almacenamiento : -20 ~+60°C

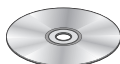
descripción

COMPONENTES

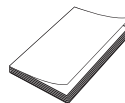
Desembale el paquete del producto y colóquelo en el suelo o en una superficie plana.
Compruebe si se incluyen los siguientes componentes en el paquete del producto.



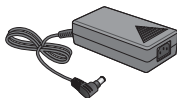
Unidad principal



CD del Manual del usuario



Manual de consulta rápida



Adaptador de alimentación 1EA



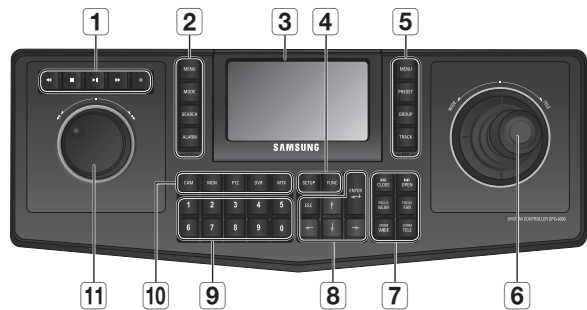
Cable de alimentación 1EA



Bloque de terminales 1EA

VISIÓN GENERAL DEL CONTROLADOR DEL SISTEMA

Lado frontal

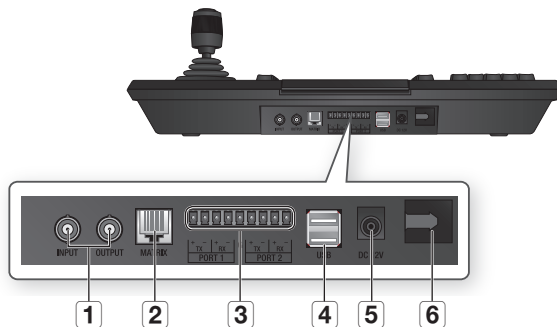


Elemento	Descripción
1 Barra de reproducción del DVR	Reproducir/Pausa, Avance rápido/Retroceso rápido, Parar, Grabar
2 Barra de control de DVR	Acceso al menú seleccionado, búsqueda, selección de un modo de división o control de alarmas.
3 Pantalla LCD	Muestra el estado de funcionamiento y el menú de configuración del controlador del sistema.
4 Barra de configuración	Pulse el botón [FUNC] y haga clic en [SETUP] para entrar en el menú de configuración.
5 Barra de funcionamiento de la cámara	Acceso al menú de PTZ seleccionado o ejecución de Predef., Grupo o Seguimiento.
6 Controlador con joystick	Puede manipular la operación de Panorámica/Inclinación hacia arriba o hacia abajo junto con la cámara PTZ o la unidad de recepción. Gire el joystick a la derecha o a la izquierda para controlar el zoom. Puede controlar la dirección del controlador conectado desde la pantalla de menú del controlador.

descripción

Elemento		Descripción
7 Barra del objetivo de la cámara	IRIS	Control de diafragma (CLOSE/OPEN)
	FOCUS	Ajusta el enfoque (NEAR/FAR)
	ZOOM	Acercar/Alejar zoom (WIDE/TELE)
8 Desplazamiento, ENTER, ESC	Desplazamiento	Desplazamiento por las opciones de menú.
	ENTER	Permite ir a la opción de menú utilizando los botones de desplazamiento y seleccionarla.
	ESC	Cancela la operación actual.
9 Botones numéricos (0-9)	Se utilizan para especificar los caracteres numéricos para la cámara, el monitor, el DVR o los ajustes predefinidos.	
10 Barra de selección del controlador	Se utiliza para seleccionar una cámara, un monitor o un DVR.	
11 Mando de control	Mando	Se utiliza para buscar un fotograma adelante o atrás en el modo de reproducción del DVR.
	Piloto	Adelante/Atrás /Reproducir/Avance rápido/Retroceso rápido en modo de reproducción de DVR.

Lado trasero



Elemento	Descripción	
1 Entrada/salida de vídeo	Puerto de entrada/salida de vídeo	
2 MATRIX	Puerto de conexión de Matrix	
3 RS-485	PORT 1	Conectado a un controlador como una cámara o un DVR a través de comunicaciones RS-485.
	PORT 2	Conexión a otro controlador del sistema SPC-6000.
4 Puerto USB	Se utiliza para realizar copias de seguridad de los ajustes del controlador del sistema o para actualizar el firmware.	
5 Alimentación	Puerto de entrada de CC de 12 V (— — — — — +)	
6 Enganche para cable	Para evitar que el cable de alimentación se suelte. ☒ ■ Asegúrese de utilizar el enganche del cable al instalar y utilizar el controlador.	

- ☒ ■ El puerto MATRIX contiene la línea de alimentación con lo que no necesita otra fuente de alimentación de CC de 12V si utiliza el puerto MATRIX.
- El puerto MATRIX contiene una sola línea que controla las señales de control principal y secundario.
- La señal MATRIX es de nivel TTL.
Utilice un cable alargador de menos de 10 metros.

PRECAUCIONES

Antes de instalar el producto, léalo y respete las siguientes instrucciones.

- El producto se ha diseñado para utilizarse sólo en interiores.
 - Manténgalo alejado del agua y de la humedad.
 - No lo someta a fuerza excesiva.
 - No tire del cable de alimentación con energía.
 - No lo desmonte por sí mismo.
 - Utilice sólo se el rango de E/S nominal.
 - Utilice sólo el cable de alimentación que se facilita.
 - Utilice un enchufe de alimentación que contenga toma de tierra si está disponible.
 - Instale el controlador del sistema en una mesa plana.
 - El diseño de la unidad principal y el sistema de cableado son esenciales para el funcionamiento correcto del sistema.
 - Si los dispositivos están demasiado cerca entre sí o carecen de una ventilación apropiada, es posible que el sistema no funcione correctamente.
La inaccesibilidad al sistema dificulta o incluso impide completamente la reparación.
 - Para evitar un fallo en el sistema o reducir los apagados del sistema, deje espacio suficiente para la ventilación y cierre con seguridad la cubierta.
 - No desmonte el controlador del sistema por sí mismo ya que existe una alta tensión dentro del controlador del sistema.
- Temperatura de servicio : 0° ~ 40°
 - Temperatura de almacenamiento : -20° ~ 60°
 - Humedad en funcionamiento : 10%~70% de HR
 - Humedad en almacenamiento : 10% ~ 90% de HR
 - Consumo eléctrico : 12V de CC, Máx. 4W (— —  +)

ANTES DE LA INSTALACIÓN

- Debe apagar el producto antes de instalarlo.
- Un impacto o vibraciones fuertes pueden causar un fallo en el sistema.
- Manténgalo alejado de campos magnéticos potentes o con interferencias eléctricas, o de dispositivos inalámbricos como una radio o un equipo de TV.
- Mantenga el lugar de la instalación limpio y sin polvo en todo momento mientras instala el producto y posteriormente.
- Colóquelo en una superficie plana con una temperatura óptima. Instálelo al menos con una separación de 15 cm de la pared.
- No obstruya el orificio de ventilación ni coloque objeto conductivos sobre el mismo.
- No lo exponga a la luz directa del sol. Mantenga los accesorios o las herramientas fuera del alcance de la gente para evitar riesgos de daño físico.
- La aparición de humo u olor anormales puede conllevar un incendio o una descarga eléctrica. Si este es el caso, apague inmediatamente el producto y póngase en contacto con nosotros para obtener asistencia técnica.
- Adopte una solución apropiada si encuentra: un suelo mojado, un alargador de alimentación sin toma de tierra, un cable de alimentación pelado o ausencia de conexión a tierra de seguridad.
 - Utilice un paño seco para limpiarlo. Si se ensucia o se mancha mucho, utilice un paño humedecido con un detergente neutro para limpiarlo.
No utilice sustancias volátiles como alcohol, benceno o disolvente ya que podrían dañar el acabado del producto.
 - No utilice el monitor LCD con temperaturas altas; recomendamos utilizar el protector de pantalla para ahorrar energía.

AJUSTE DEL ÁNGULO DE LA PANTALLA DEL CONTROLADOR DEL SISTEMA

Puede tirar de la pantalla hacia adelante para una mejor visión.



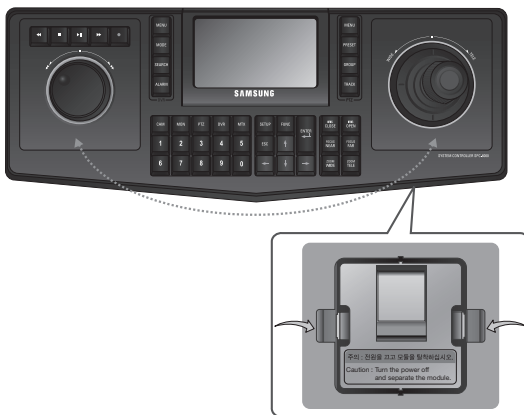
instalación

CAMBIO DE DISPOSICIÓN DEL JOYSTICK Y DEL MANDO DE CONTROL

Para cambiar la posición del joystick y del mando de control a su gusto.



- Para cambiar de izquierda a derecha, apague primero el controlador del sistema. A continuación, pulse <Cambiar> en el menú de configuración del controlador y cambie manualmente los módulos. (► página 38)



<Parte inferior>

1. Presione los enganches de la parte inferior del controlador del sistema para retirar el módulo.
2. Retire el módulo del joystick y del mando de control del controlador y cambie la posición. Una vez hecho, insérteles hasta que oiga un clic.



conexión a un dispositivo externo

El controlador del sistema SPC-6000 se puede utilizar junto con un dispositivo externo como una cámara o un DVR.

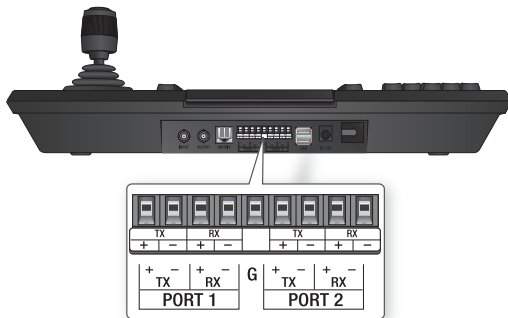
PARA CONECTAR UN DISPOSITIVO RS-485

Con el controlador del sistema puede controlar una cámara PTZ o un DVR compatible con los protocolos de comunicación RS-485.

1. Conecte el PORT 1 trasero con el puerto RS-485 de la cámara PTZ o el DVR.
2. Según el sistema del dispositivo externo, seleccione Half Duplex o Full Duplex para la conexión.

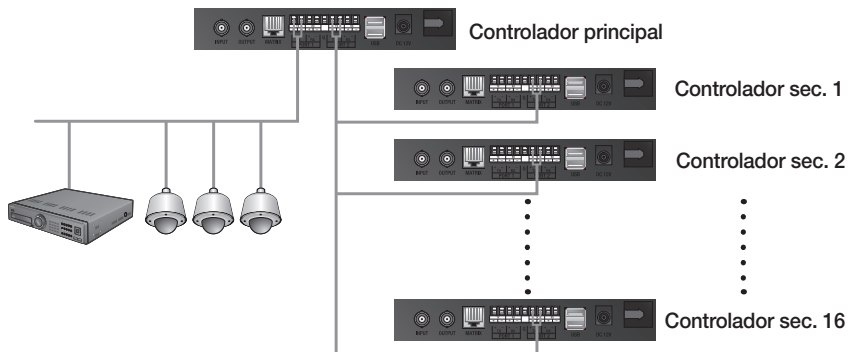


- Para el sistema Half Duplex, utilice los terminales TX +/-.
- Para comunicaciones RS-485, preste especial atención a la polaridad (+/-).
- Utilice el bloque de terminales que se facilita en el paquete del producto.
- Compruebe primero si el dispositivo RS-485 es compatible con el SPC-6000.

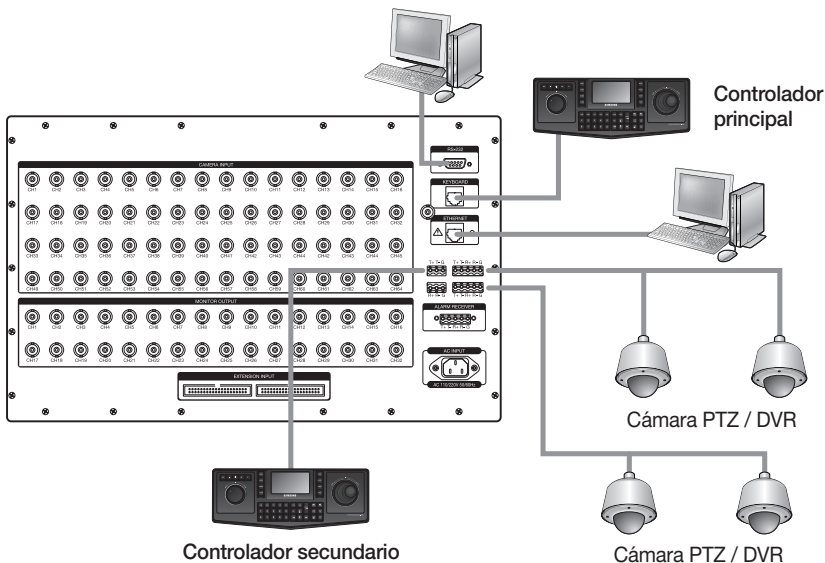


conexión a un dispositivo externo

Si no se facilita MATRIX



Si se conecta el teclado utilizando MATRIX



1. Conecte el puerto **[MATRIX]** del controlador principal al puerto **[KEYBOARD]** de Matrix. El puerto MATRIX contiene la línea de alimentación con lo que no necesita otra fuente de alimentación de CC de 12V.
2. Conecte TX+ y TX- del controlador secundario a T+ y T- de Matrix, respectivamente.
 - La velocidad en baudios entre los controladores secundarios en sincronización con MATRIX se fijará en 9600 bps.
 - El ID de MATRIX se fija en <SUB 09>.
3. Conecte DVR y la cámara PTZ al MATRIX.

conexión a un dispositivo externo

Conexión a la cámara PTZ

Al conectar el puerto RS-485 de la parte trasera de la cámara PTZ con el PORT 1 de SPC-6000, puede controlar la cámara.



- Dependiendo de la cámara, es posible que la polaridad sea diferente.

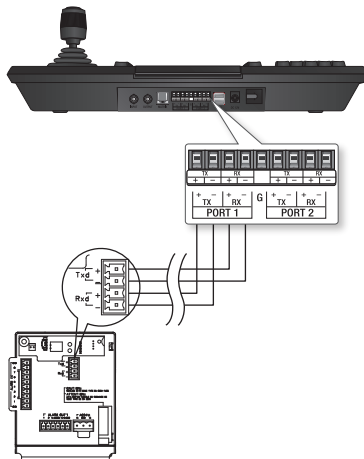
Para más información, consulte el manual del usuario de la cámara PTZ.

Para el sistema half duplex

- Conecte RX (+) del puerto RS-485 de la cámara PTZ con TX (+) del PORT 1 del SPC-6000.
- Conecte RX (-) del puerto RS-485 de la cámara PTZ con TX (-) del PORT 1 del SPC-6000.

Para el sistema full duplex

- Conecte RX (+) del puerto RS-485 de la cámara PTZ con TX (+) del PORT 1 del SPC-6000.
- Conecte RX (-) del puerto RS-485 de la cámara PTZ con TX (-) del PORT 1 del SPC-6000.
- Conecte TX (+) del puerto RS-485 de la cámara PTZ con RX (+) del PORT 1 del SPC-6000.
- Conecte TX (-) del puerto RS-485 de la cámara PTZ con RX (-) del PORT 1 del SPC-6000.



Conexión del DVR de la serie SRD-16XX/8XX o la serie SHR-8/7/6XXX

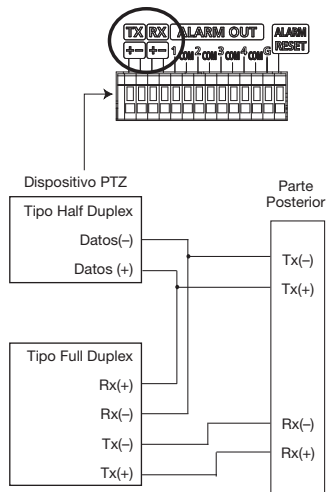
Conecte el DVR y el SPC-6000 utilizando el puerto RS-485 de la parte trasera del DVR.

Para el sistema half duplex

- Conecte TX (+) del puerto RS-485 del DVR con TX (+) del PORT 1 del SPC-6000.
- Conecte TX (-) del puerto RS-485 del DVR con TX (-) del PORT 1 del SPC-6000.

Para el sistema full duplex

- Conecte TX (+) del puerto RS-485 del DVR con RX (+) del PORT 1 del SPC-6000.
- Conecte TX (-) del puerto RS-485 del DVR con RX (-) del PORT 1 del SPC-6000.
- Conecte RX (+) del puerto RS-485 del DVR con TX (+) del PORT 1 del SPC-6000.
- Conecte RX (-) del puerto RS-485 del DVR con TX (-) del PORT 1 del SPC-6000.



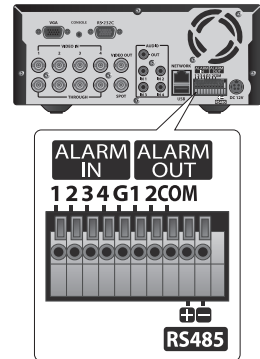
conexión a un dispositivo externo

Conexión de las series SRD-4XX o SHR-604X con el DVR

Conecte el puerto RS-485 en la parte trasera de los modelos SRD-4XX o SHR-604X con el SPC-6000.

❖ Para el sistema half duplex

- Conecte TX (+) del SRD-4XX o SHR-604X con TX (+) del PORT 1 del SPC-6000.
- Conecte TX (-) del SRD-4XX o SHR-604X con TX (-) del PORT 1 del SPC-6000.

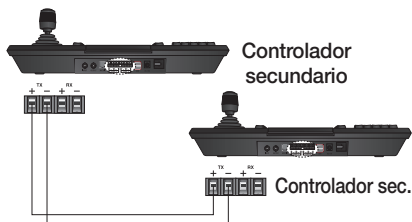


CONEXIÓN A OTRO CONTROLADOR DEL SISTEMA

- Puede conectar hasta 16 controladores simultáneamente.
- Para los ajustes de comunicación del controlador, consulte “**Sublista**” de “**ajustes del menú**”. (► página 37)

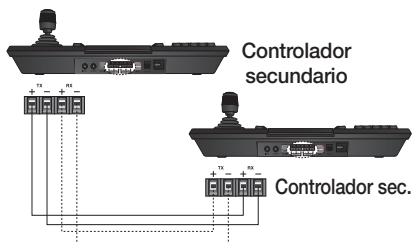
Para el sistema half duplex

- Conecte TX (+) del PORT 2 del SPC-6000 con TX (+) del PORT 2 del otro SPC-6000.
- Conecte TX (-) del PORT 2 del SPC-6000 con TX (-) del PORT 2 del otro SPC-6000.



Para el sistema full duplex

- Conecte TX (+) del PORT 2 del controlador principal SPC-6000 con RX (+) del PORT 2 del controlador SPC-6000 secundario.
- Conecte TX (-) del PORT 2 del controlador principal SPC-6000 con RX (-) del PORT 2 del controlador SPC-6000 secundario.
- Conecte RX (+) del PORT 2 del controlador principal SPC-6000 con TX (+) del PORT 2 del controlador SPC-6000 secundario.
- Conecte RX (-) del PORT 2 del controlador principal SPC-6000 con TX (-) del PORT 2 del controlador SPC-6000 secundario.



- Debe utilizar el PORT 2 si desea conectar a otro controlador del sistema.

uso del menú

INTRODUCCIÓN

1. Encienda todos los dispositivos que componen el sistema.



2. Cuando conecte el adaptador de alimentación al puerto trasero del controlador del sistema, aparece el diálogo de inicio de sesión.
3. Utilice el teclado numérico para introducir la contraseña y pulse [ENTER].
Aparece el menú principal del sistema de control de PTZ.
 - La contraseña predeterminada es "4321".



CONTROL DE LA CÁMARA PTZ

Para entrar en el modo de control de PTZ

Pulse [PTZ] en el controlador.

Para seleccionar una cámara

1. Utilice los botones numéricos para introducir el número de la cámara que elija.
2. Pulse [CAM] o [ENTER].



Control de Panorama/inclinación

Puede utilizar el joystick del controlador para ajustar el ángulo de panorámica/inclinación de la cámara. Cuanto más lejos esté el joystick del centro, más rápido será el movimiento.

Zoom

Gire el joystick a la derecha o pulse **[ZOOM TELE]** para controlar la operación de acercamiento de zoom de la cámara.

Gire el joystick a la izquierda o pulse **[ZOOM TELE]** para controlar la operación de alejamiento de zoom de la cámara.

Enfoque

Pulse **[FOCUS FAR]** o **[FOCUS NEAR]** en el controlador para enfocar la cámara.

Diafragma

Pulse **[IRIS OPEN]** o **[IRIS CLOSE]** en el controlador para ajustar el brillo del vídeo de la cámara.

Posición Predefinida

Mueva la cámara a un punto predeterminado.

To set a preset

1. Seleccione una cámara para la que desee definir una posición predefinida.
2. Utilice el joystick para mover la cámara al punto que desee.
3. Pulse **[SETUP]** e introduzca el número que desee utilizando los botones numéricos.
A continuación, pulse **[PRESET]**.

Para ejecutar la posición predefinida

1. Seleccione una cámara.
2. Introduzca el número o números que desee utilizando los botones numéricos y pulse **[PRESET]**.
3. Se ejecutará la posición predefinida.



- Para las series como SCP-3430, SCP-2430, SCP-3250 y SCP-2250 PTZ, sólo se admite un máximo de 512 posiciones predefinidas si se selecciona el protocolo Samsung E.

uso del menú

Swing

Puede mover la cámara entre dos puntos predefinidos para vigilar la trayectoria.

Configuración de oscilación

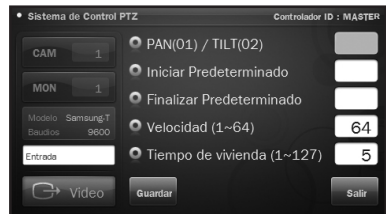
1. Seleccione <Swing> en la pantalla del menú.
2. Pulse <IMPOSTAZIONE>.



3. Utilice los botones numéricos para seleccionar PAN/ TILT y especifique la posición predefinida de inicio y la de fin.
4. Especifique la velocidad y el tiempo de permanencia.
5. Pulse <Guardar>.

Para ejecutar la oscilación

1. Seleccione <Swing> en la pantalla del menú.
2. Utilice los botones numéricos para seleccionar PAN o TILT para el tipo de oscilación.
3. Se ejecutará la función de oscilación.



Grupo

Puede crear un grupo de varias posiciones predefinidas para poder ejecutarlas en secuencia.

Para definir un grupo

1. Seleccione <Grupo/BUSCAR> en el menú de pantalla.
2. Seleccione <Grupo Impostazione>.
3. Introduzca un número de grupo y pulse [ENTER].
4. Especifique la velocidad y el tiempo de permanencia.
5. Pulse <Guardar>.



Para ejecutar la función de grupo

1. Seleccione <Grupo/BUSCAR> en el menú de pantalla.
2. Seleccione <Grupo Executing>.
3. Introduzca un número de grupo y pulse [ENTER].
4. Se ejecutará la función de grupo.



uso del menú

Tour

Puede hacer un tour de al menos un grupo para poder ejecutar los grupos en secuencia.

Para definir un tour

1. Seleccione <Tour> en la pantalla del menú.
2. Seleccione <Tour Impostazione>.
3. Cada vez que pulse el número de un gripo que desee añadir al tour, el grupo se añadirá al tour.
 - Puede añadir al tour hasta 6 grupos.
4. Pulse <Guardar> para aplicar los ajustes.



Para ejecutar la función de tour

1. Seleccione <Tour> en la pantalla del menú.
2. Seleccione <Tour Executing>.
3. Se ejecutará la función de tour.

Rastro

Con el joystick o los botones de cámara, puede instruir el controlador para que registre el movimiento de la cámara durante un tiempo específico y que repita el movimiento.

Para definir un rastro

1. Seleccione <Rastro/PATRÓN> en la pantalla del menú.
2. Seleccione <Nº grupo(1~6)>.
3. Especifique el número de rastro que va a grabar.
4. Con el joystick o los botones de la cámara, controle el movimiento de la cámara como desee.



Para ejecutar un rastro

1. Seleccione **<Rastro/Patrón>** en la pantalla del menú.
2. Seleccione **<Lista de tour>**.
3. Especifique el número de rastro que va a ejecutar.
4. Se ejecutará la función de rastro.



Enfoque automático

1. Seleccione **<A/F>** en la pantalla del menú.
2. Se activará la función de enfoque automático.

Reinicio

1. Seleccione **<Reinicio>** en la pantalla del menú.
2. Se reiniciará la cámara.

Bloq. Objetivo

1. Seleccione **<Bloq. Objetivo>** en la pantalla del menú.
Aparece un rectángulo en el vídeo de la cámara.
2. Vaya a un objeto para rastrearlo y pulse **[ENTER]**.
 - Esto sólo se aplica a una cámara que admita la función de rastreo.



Seguimiento

1. Seleccione **<Seguimiento>** en la pantalla del menú.
2. Se ejecutará la función de rastreo.
 - Esto sólo se aplica a una cámara que admita la función de rastreo.

uso del menú

CONTROL DEL DVR

Dependiendo del modelo, es posible que el DVR tenga diferentes funciones disponibles. Para más detalles, consulte el manual de usuario correspondiente.



- Un ajuste inadecuado puede causar un problema en el uso del DVR.

Para seleccionar un DVR

1. Pulse **[DVR]**.
2. Utilice los botones numéricos para introducir un número de DVR (0~255) y pulse **[ENTER]**.



3. Aparece la pantalla de menú principal. Difiere dependiendo del modelo.



- Para un DVR que admita los protocolos SRD, la pantalla del menú sólo muestra las opciones de menú disponibles.
- Si conecta un DVR que admita protocolos SRD, se realizarán automáticamente los ajustes de PTZ.



Para seleccionar un canal del DVR

1. Utilice los botones numéricos para introducir el número para el canal de DVD que desee.
2. Pulse **[CAM]**.

Para controlar el menú del DVR

1. Para controlar el menú del DVR seleccionado, pulse **[MENU]** en la barra de control del DVR.
2. Utilice los botones de dirección para ir a la opción de menú que desee y pulse **[ENTER]**.

Para controlar el dispositivo de PTZ que está conectado al DVR

Dependiendo del modelo de DVR, es posible que no pueda controlar el dispositivo de PTZ que está conectado al DVR.

En este caso, pulse **[PTZ]** para cambiar del modo de control del DVR al modo de control de la cámara.

Para controlar el dispositivo de PTZ en modo DVR

1. Pulse **[PTZ]** en la esquina inferior derecha de la pantalla del menú del DVR.
2. Utilice el joystick para controlar la cámara de PTZ junto con el DVR.
Para más detalles, consulte el manual de usuario del DVR.

Inicio de sesión en el DVR

Debe acceder al menú del DVR con la cuenta de usuario correcta.

- Seleccione **<Entrada>** para desactivar el cuadro de entrada. Ahora sólo puede utilizar los botones numéricos para cambiar el canal o introducir la contraseña del DVR sin utilizar el botón **[CAM]**.
Seleccione de nuevo **<Entrada>** para volver al modo anterior.



CONTROL DE MATRIX

Para controlar el monitor y la cámara en modo Matrix

Puede controlar el monitor y la cámara en modo Matrix.

1. Pulse **[MTX]**.
2. Seleccione un número de monitor y pulse **[MON]**.
3. Seleccione un número de cámara y pulse **[CAM]**.
El monitor seleccionado reproducirá el vídeo de la cámara seleccionada.



Para reproducir el vídeo actual en el monitor anterior

Introduzca el número de la cámara para seleccionarla.

1. Pulse el número de cámara en la pantalla de configuración de Matrix y pulse **[CAM]**.
2. El monitor anterior reproducirá el vídeo de la cámara actualmente seleccionada.

Selecc. autom. Ajustar

Puede programar las operaciones en el menú de configuración de Matrix.

1. Seleccione un número de monitor en el menú de configuración de Matrix y pulse **[MON]**.
2. En la pantalla del menú, pulse **<Selecc. autom. Ajustar>**.



3. Una vez que aparezca la pantalla **<Selecc. autom. Ajustar>**, seleccione un monitor y una cámara que conectar y especifique el tiempo de permanencia.
4. Una vez que se completen los ajustes de la cámara nº 1, pulse **<Continuar>** y especifique el tiempo de permanencia de la cámara nº 2.
5. Cuando termine de realizar el ajuste del tiempo de permanencia, pulse **<Guardar>**.



Ejecutar / Retener

Ejecutar/Bloquear ejecutará o bloqueará el ajuste de selección automática realizado.

Pulse la combinación **<Todo> + <Ejecutar>** para ejecutar la selección automática que defina.

Pulse la combinación **<Todo> + <Retener>** para dejar de utilizar la selección automática y espere la entrada.



- Para definir una operación para un monitor individual, pulse la combinación "número de monitor" + **<Ejecutar>** o "número de monitor" + **<Retener>**.

Reproducción de alarma

Si se dispara el sensor en modo de reproducción de alarma, la sirena sonará si se ha activado la sirena, o puede controlar los dispositivos externos utilizando los indicadores si en la unidad de alarma se ha definido la salida de control del indicador.

Para liberar la alarma de la unidad de alarma, pulse de nuevo **<Repr. alarma>**.

ajustes del menú

PARA ACCEDER AL MENÚ PRINCIPAL

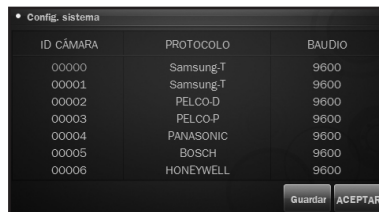
1. Pulse el botón **[FUNC]** del controlador y haga clic en **[SETUP]**.
2. Cuando aparezca la pantalla de configuración del sistema, seleccione la opción de menú que desee.



AJUSTE DE PTZ

En la pantalla de configuración de PTZ, puede especificar el protocolo y la velocidad en baudios.

1. Pulse **<PTZ>** en la pantalla principal de configuración.
2. Utilice los botones de dirección o el joystick para ir a la opción de menú que desee.
3. Puede cambiar los ajustes utilizando **[ZOOM WIDE]** o **[ZOOM TELE]**.
4. Una vez completados los ajustes de protocolo y velocidad en baudios, pulse **<Guardar>**.
5. Para salir de la pantalla Config. de PTZ, pulse **<ACEPTAR>** o **[ESC]**.

La imagen muestra una interfaz de usuario con el título "Config. sistema" en la parte superior izquierda. Debajo del título, hay una tabla con tres columnas: "ID CÁMARA", "PROTOCOLO" y "BAUDIO". La tabla contiene seis filas de datos. En la parte inferior derecha de la pantalla, hay dos botones: "Guardar" y "ACEPTAR".

ID CÁMARA	PROTOCOLO	BAUDIO
00000	Samsung-T	9600
00001	Samsung-T	9600
00002	PELCO-D	9600
00003	PELCO-P	9600
00004	PANASONIC	9600
00005	BOSCH	9600
00006	HONEYWELL	9600



- Antes de ir a una página diferente, guarde los ajustes.

AJUSTES DEL DVR

En la pantalla de configuración del DVR, puede especificar el tipo de DVR y la velocidad en baudios.

1. En la pantalla principal de configuración, pulse <DVR>.
2. Utilice los botones de dirección o el joystick para seleccionar un número de cámara y especifique el tipo de DVR.
3. Especifique la velocidad en baudios.
4. Una vez hecho, pulse <Guardar>.
5. Para salir de la pantalla Config. de DVR, pulse <ACEPTAR> o [ESC].



■ Antes de ir a una página diferente, guarde los ajustes.

AJUSTE DEL CONTROLADOR

ID de controlador

Puede seleccionar RS-485 o RS-422 para el sistema de comunicaciones.

1. Seleccione RS-485 o RS-422 para el sistema de comunicaciones entre el controlador y los dispositivos externos.
2. Pulse el botón de puerto para especificar el ID de puerto.

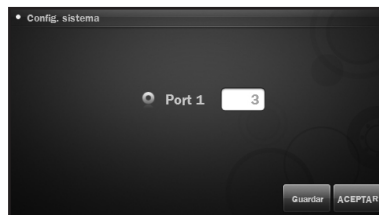


ajustes del menú

ID DE PUERTO 1

Puede especificar el ID de controlador que usar en la comunicación con otros dispositivos.

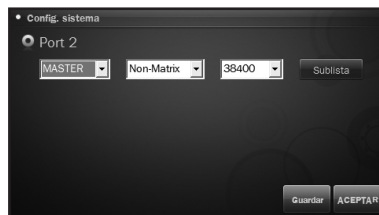
1. Pulse **[Port 1]** en la pantalla de configuración del ID de control.
2. Especifique el ID y pulse **<Guardar>**.



ID DE PUERTO 2

Puede especificar el controlador principal o secundario para comunicaciones entre los controladores, y también definir el uso de Matrix y la sublista.

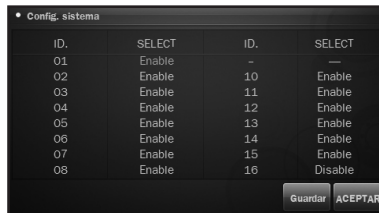
1. Pulse **[Port 2]** en la pantalla de configuración del ID de control.
2. Utilice los botones de dirección para seleccionar la opción que desee y seleccione un sistema de comunicaciones entre controladores.
 - Debe definir la sublista en un entorno con varios controladores.
3. Una vez hecho, pulse **<Guardar>**.



Sublista

Para un sistema de comunicaciones que incluya los controladores principal y secundario, debe definir la <Sublista>.

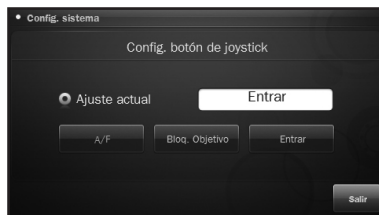
1. Pulse <Sublista>.
2. Utilice los botones de dirección para seleccionar la opción que desee y configure los ajustes utilizando [ZOOM WIDE] o [ZOOM TELE].
 - El ID de MATRIX se fija en <SUB 09>.
3. Una vez hecho, pulse <Guardar>.
4. Para salir de la pantalla <Sublista>, pulse [ACEPTAR] o [ESC].



Funcionamiento de los botones del joystick

Puede definir el funcionamiento del botón del joystick.

1. Pulse el <Botón> del joystick.
2. En la pantalla de funcionamiento del botón del joystick, seleccione un botón de función para el botón del joystick seleccionado.
3. Compruebe el ajuste actual, pulse <Salir>.



Protector de pantalla

Puede definir activar el protector de pantalla si no pretende utilizar el controlador durante un tiempo.

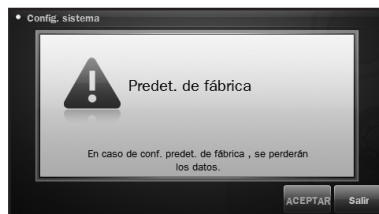
1. Para mostrar la pantalla del logotipo, defina el protector de pantalla en <On>.
2. Para aplicar los cambios, pulse <ACEPTAR>; para cancelar el ajuste pulse <Salir>.

ajustes del menú

Valores predeterminados de fábrica

Puede devolver los ajustes actuales a los ajustes predeterminados de fábrica.

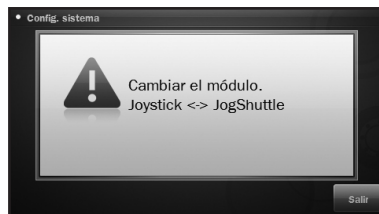
1. Pulse <Reinicio>.
2. Pulse <ACEPTAR>.
Los ajustes actuales volverán al valor predeterminado de fábrica.
3. Para salir del menú, pulse <Salir>.



Para cambiar entre módulos

Puede cambiar la posición del mando de control y del joystick de izquierda a derecha o viceversa.

1. Pulse <Cambiar>.
2. En la pantalla de cambio de módulo que aparece, puede cambiar la posición entre el mando de control y el joystick.
3. Para salir de la pantalla, pulse <Salir>.



Idioma

Puede seleccionar el idioma que prefiere para la interfaz de usuario.

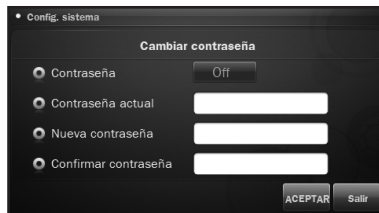
1. Pulse <Idioma>.
2. En la pantalla de selección de idioma que aparece, utilice los botones de dirección o el joystick para seleccionar el idioma que prefiera.
 - El idioma cambiará al seleccionado inmediatamente.
3. Para salir de la pantalla de selección del idioma, pulse <Salir>.



Contraseña

Puede definir activar o desactivar la contraseña del controlador.

1. Pulse el botón **<Definir>** de la contraseña.
2. Para activar la contraseña, defínala en **<On>**. En caso contrario, defínala en **<Off>**.
3. Facilite la contraseña actual.
4. Para aplicar los cambios, pulse **<ACEPTAR>**; para cancelar el ajuste pulse **<Salir>**.



Para cambiar la contraseña

Puede cambiar la contraseña.

1. Pulse el botón **<Definir>** de la contraseña.
2. Facilite la contraseña actual.
3. Facilite una nueva contraseña.
4. Para aplicar los cambios, pulse **<ACEPTAR>**; para cancelar el ajuste pulse **<Salir>**.



- La contraseña predeterminada es **"4321"**.



- La contraseña predeterminada puede estar expuesta a riesgos de piratería, por lo que recomendamos que cambie la contraseña después de instalar el producto.

Tenga en cuenta que otros problemas que sucedan por no cambiar la contraseña será responsabilidad del usuario.

ajustes del menú

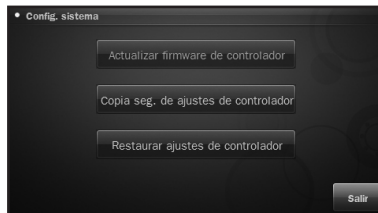
ACTUALIZACIÓN DE FIRMWARE

Puede actualizar el firmware actual utilizando los archivos de firmware de la memoria USB.

Para actualizar el firmware del controlador

Puede descargar los archivos de firmware más recientes y actualizar el controlador.

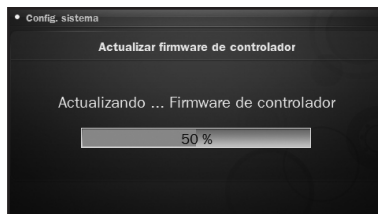
1. Conecte la memoria USB que contiene los archivos de firmware más recientes para el controlador del sistema.
2. En la pantalla de configuración del menú, pulse **<Actualizar>**.
3. Pulse **<Actualizar firmware de controlador>**.



4. En la pantalla de actualización, pulse **<ACEPTAR>**. El estado de la actualización aparecerá en la barra de progreso.
5. Espere hasta que el sistema se reinicie tras la actualización.



- No desconecte la memoria USB o el cable de alimentación durante la actualización. De lo contrario, es posible que falle la actualización del firmware o se produzca un fallo del sistema.



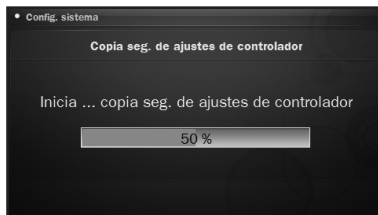
Para hacer una copia de seguridad de los ajustes del controlador

Si desea cambiar el controlador o sustituir la cámara, puede guardar los ajustes del controlador en un archivo y cargar los ajustes del controlador en una nueva cámara.

1. En la pantalla de configuración del menú, pulse **<Actualizar>**.
2. Pulse **<Copia seg. de ajustes de controlador>**.
3. Pulse **<ACEPTAR>**.
Se inicia el proceso de copia de seguridad.



- No desconecte la memoria USB o el cable de alimentación durante la copia de seguridad. De lo contrario, es posible que falle la copia de seguridad de los ajustes del controlador.



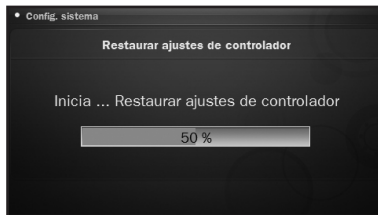
Para restaurar los ajustes del controlador

Si ha configurado el controlador de forma incorrecta o lo ha reinicializado, puede cargar los ajustes actuales en un controlador diferente.

1. En la pantalla de configuración del menú, pulse **<Actualizar>**.
2. Pulse **<Restaurar ajustes de controlador>**.
3. Pulse **<ACEPTAR>**.
Se inicia el proceso de restauración.



- No desconecte la memoria USB o el cable de alimentación durante la restauración. De lo contrario, es posible que falle la restauración de los ajustes del controlador.



ajustes del menú

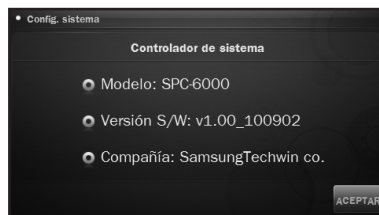
PARA COMPROBAR LA INFORMACIÓN DEL CONTROLADOR

Puede comprobar el nombre del modelo y la versión de software del controlador del sistema.

Pantalla de estado

Puede comprobar el estado del controlador.

1. En la pantalla de configuración del menú, pulse <Estado>.
2. Compruebe el estado del controlador.



apéndice

ESPECIFICACIONES

Elemento	Descripción
Sistema de comunicación	RS-485 / 422 (alcance del control remoto: máx. 1km) TTL (para control de matrix)
Unidades para controlar	Máx. 255
Vel. baudios	2.400 ~ 38.400 bps
Compatibilidad	PTZ / DVR / MATRIX / RECEPTOR
Protocolo (PTZ)	Samsung-T, Samsung-E, PELCO-D, PELCO-P, Panasonic, Vicon, AD, Honeywell, ELMO, BOSCH, GE
Protocolo (DVR)	SVR, SRD, SRP
Protocolo (MATRIX)	SMX-25632
Protocolo (RECEPTOR)	Samsung-T
Soporte multilingüe	Inglés, Español, Francés, Italiano, Alemán, Turco, Polaco, Ruso, Portugués, Sueco, Holandés, Checo, Serbio, Coreano, Chino, Japonés
Pantalla LCD	LCD TFT de 5 pulg. + LCD táctil
Puerto USB	Copia de seguridad / Restauración, Actualización de software
Puerto de vídeo	Entrada de vídeo BNC, salida de bucle interno
Joystick	Control de PTZ (zoom de giro de 3 ejes)
Mando de control	Control de reproducción de DVD
Alimentación	12V de CC, Máx. 4W
Temperatura de servicio	0°C ~ 40°C
Humedad en funcionamiento	10 ~ 70% (sin condensación)
Dimensiones	459,1 (An) x 59,1 (Al) x 177,9 (Pr.) mm
Peso	Aprox. 1,5 kg (adaptador excluido)

PREGUNTAS Y RESPUESTAS

Problema	Acción
No puedo comunicar con el controlador del sistema.	• Compruebe si el cable de comunicaciones RS-485 está debidamente conectado. • Si la comunicación es inestable debido a interferencias en la línea de comunicaciones, conecte el puerto G del dispositivo al puerto G de SPC-6000.
	• Compruebe si la dirección del controlador del sistema se ha especificado correctamente. • Para especificar la dirección, consulte “Ajuste de Comunicaciones RS-485” en “Ajustes de Menú”. (► página 35)
La memoria USB no se reconoce correctamente.	• Compruebe si la memoria USB funciona correctamente. • Utilice sólo la memoria USB e inténtelo de nuevo.



- El panel LCD del controlador del sistema es un componente consumible.
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-

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Version 2, June 1991

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