

# Systemline 4.3

## Quick installation guide and checklist

### Introduction

This Quick Installation Guide is intended as an easy reference for those installers who are experienced with Systemline installations and only need the bare facts. Items of special importance are shown in *italics>. Areas where the manual shows greater detail are pointed to where appropriate.*

### Cables

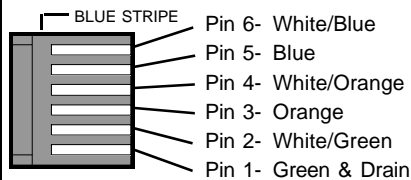
Cable issues are covered in pages 12 -14 of the Systemline 4.3 manual.

### Data Cable

Use the diagrams below to check the termination of the data cable.

**N.B. IDC Tool SL-IDC MUST be used**

#### Category 5 FTP Wiring

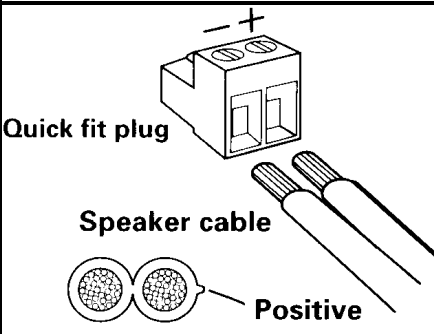


The BROWN and WHITE/BROWN wires are NOT used.

Note: If screened Systemline SL-C cable is used in place of CAT-5, you MUST use 24AWG IDC plugs (QED stock no ZPLA019) these can be identified by the BLACK stripe.

### Speaker cables

Ensure that the speaker cables are connected as follows;



### DMS & KMS

#### Connection strategy

The diagram to the right shows common connection strategies for DMS/KMS units. Note the IN and OUT connections. It is also recommended that if KMS and DMS are fitted to the same zone that the DMS is the first unit in the chain coming from the Super Controller. (See page 19 of the manual for more details)

#### Data Stream

The data stream "flows" towards the controller. Therefore you connect the **OUT** connectors of all KMS and DMS towards the controller.

### DMS Setup (pages 15-16)

#### Zone configuration

Zone configuration is determined by DIL switches 1 & 2.

#### Source Component Display

SW3 selects DMS display to Tape or Sat for source 3.

SW4 and SW5 are used to select DMS display for source 4, either Dvd, Vcr, Tun2 or Cd2

Switch 1	Switch 2	Address
OFF	OFF	Zone A
OFF	ON	Zone B
ON	OFF	Zone C
ON	ON	Zone D
Switch 3	Source 3	
OFF	Tape	
ON	Sat	
Switch 4	Switch 5	Source 4
OFF	OFF	Dvd
OFF	ON	Tun 2
ON	OFF	Vcr
ON	ON	Cd 2
Switch 6	DMS status	
OFF	Master	
ON	Slave	
Switch 7	DMS Reset	
OFF	Default	
ON	Reset	
Switch 8	Battery	
OFF	Shipping	
ON	Installed	

### Slave/Master DMS Configuration

If more than one DMS is used within a zone, one DMS must be configured as Master and the others as slaves. Clock and alarm can only be set from a master DMS.

Note: The Master DMS MUST be the DMS nearest the Controller on the data cable.

### System Reset

After making any changes to the DIL switches the system should be reset by toggling the RESET switch SW7 to ensure that the new settings take effect. (To toggle the switch first turn it on then off again.)

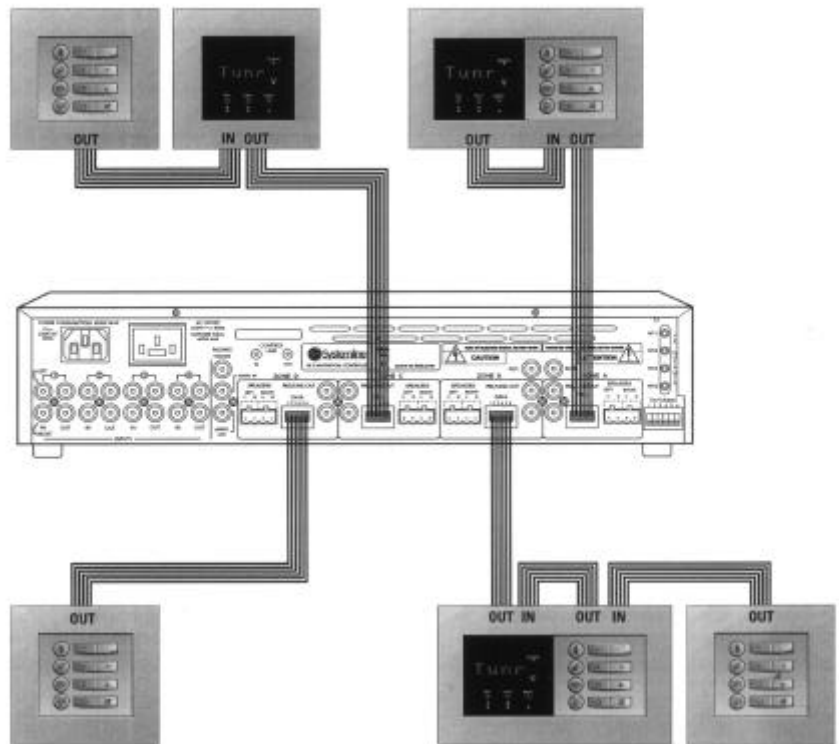
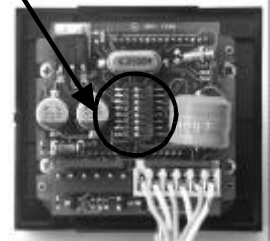
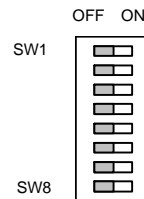
### Clock backup battery

Close switch SW8 to enable the clock battery. This will need 3-4 days to fully charge

### DMS Switches

#### SW1-SW8

Also shows data cable connected to OUT connector.



## Super Controller Set up

There are two stages to setting up the controller to enable control of the source equipment.

### Setting up translator card

If all source equipment is in BANK 1 then no set-up is required on the translator card.

Using the table on the right, select the correct code banks for the chosen source equipment

- i.e. Sony Tuner set SW1 to OFF  
 NAD Cd player set SW2 to ON  
 Nokia Sat set SW3 to OFF  
 Toshiba Dvd SW4 to ON

The translator card is located at the left rear of the controller. The picture and diagram, below to the right, will help you identify the card and switches. ( Pages 21&22)

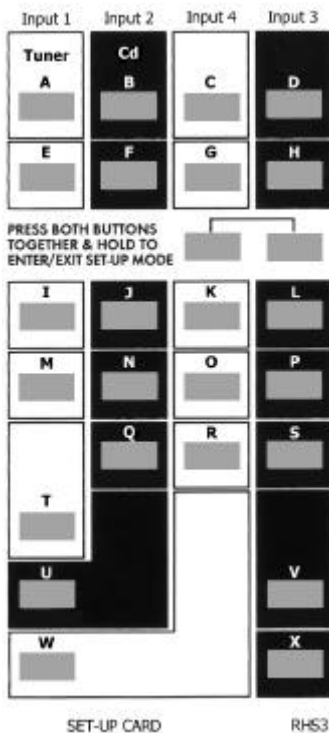
### Programing Controller

1. Programing can only be undertaken from a DMS in **Zone A** using the RHS remote. If no DMS is present in Zone A, temporarily connect one using a short run of data cable near to the System controller. It is also recommended that the IR flood is disconnected to ensure there is no IR feedback loop. For full programing details refer to page 23 onwards of the manual.

In brief;

- Enter Set-up mode.
- Select Tuner type & check DMS display
- Select CD type & check DMS display
- Select source 3 type & check DMS display (NOTE the reversed order of Source 3 & 4 on the SET-UP card)
- Select source 4 type & check DMS display
- Exit Set-up mode
- Final and most important stage of the Super Controller set up is to SWITCH OFF the controller for at least 30 seconds to allow the programming to lock in.
- Check functions on each input in turn. Volume control, source switching, standby and mute are all Systemline codes and will operate regardless of correct source codes being selected.

Source	Bank 1	Bank 2	DMS Display
TL card Input 1	Tuner SW 1 OFF	Tuner SW1 ON	A E I M T
	RC-5	Rotel	
	Sony	Onkyo	
	Pioneer	Technics	
	Yamaha	NAD	
TL card Input 2	Cd/Md SW2 OFF	Cd SW2 ON	B F J N Q U
	RC-5	Rotel	
	Sony	Onkyo	
	Pioneer	Technics	
	Yamaha	NAD	
TL card Input 4	Vcr/Cd/Dvd SW4 OFF	Cd2/Tu2/Dvd SW4 ON	C G K O R W
	RC-5-Vcr	RC-5-Tu2	
	Sony-Cd2	Sony-Tu2	
	Pioneer-Cd2	Pioneer-Tu2	
	Panasonic-Vcr	Yamaha-Tu2	
TL card Input 3	Tape/Sat SW 3 OFF	Tape/Sat SW3 ON	D H L P S V X
	RC-5	Rotel	
	Sony	Onkyo	
	Pioneer	Technics	
	Yamaha	NAD	
	Denon	Luxman	
	PACE-Sat	Galaxy-Sat	
	Nokia-Sat	Jerold-Cab	



## Check list

### Installation

DMS back up batteries enabled ?

Zone 1 Zone 2 Zone 3 Zone 4

• • • •

Note: If this is missed the system will work fully until the system controller is shut down. On power up the clocks will flash on any DMS without an enabled battery.

### Operation

DMS Display correct for each source ?

Zone 1 Zone 2 Zone 3 Zone 4

• • • •

KMS Operation ?

Zone 1 Zone 2 Zone 3 Zone 4

• • • •

Does Tuner source play correctly ?

Zone 1 Zone 2 Zone 3 Zone 4

• • • •

Does CD source play correctly ?

Zone 1 Zone 2 Zone 3 Zone 4

• • • •

Does Tape or Sat. play correctly ?

Zone 1 Zone 2 Zone 3 Zone 4

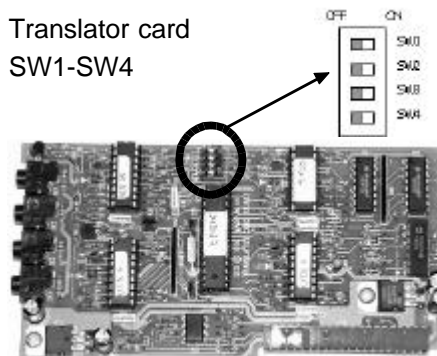
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Does Video/Laser Disc play correctly ?

Zone 1 Zone 2 Zone 3 Zone 4

• • • •

### Translator card SW1-SW4



## Common Faults

### Clocks flash when system controller is turned on.

Battery switch (SW8) has not been engaged or the time has not been set on DMS or the Controller has not been left switched on for sufficient time to charge the batteries

### Controller fails, or intermittently fails, to respond to any commands sent from the DMS or KMS.

Check for feedback loop between the IR flood and nearest DMS. (Page 15)

If the controller is in a cabinet, shut the doors, if it is in the open disable the IR flood and use window emitters. (Disable flood by removing tx format block link between pins 2 & 3)

### No response from DMS /KMS in one particular zone.

Check and re-check the data cable. Suitable adaptors for MOD0TAP SLT35 cable tester are available from QED.

### The zones will switch between source components but will not allow the individual components to be controlled by RHS or KMS (i.e. no track skip etc, only volume control and source selection)

The Super Controller was probably not powered down for sufficient time after the set-up was finished to allow for programming or the wrong component codes were entered. Re-program the Super Controller using Zone A and ensure that the super controller is switched off for at least 30 seconds.

### Either DMS or KMS works, or works intermittently, but not both.

Check the connection of the IN and OUT data connectors on the DMS and KMS to ensure correct connection. The connector marked out should always go towards the controller.

### Alarm function does not work.

Ensure that ONLY the Master DMS is the first in the run of data cable from the Controller and that the switch 6 is set OFF for Master.

### Super Controller responds but the DMS does not change.

Check that DIP switches to ensure that the correct zone address is set and, if necessary, change and toggle the reset switch (Switch 7).