

## CB ELECTRONICS

Loddonside, Lands End House, Beggars Hill Road, Charvil, Berks RG10 0UD, UK  
Tel: +44 (0)118 9320345, Fax: +44 (0)118 9320346, www.colinbroad.com

### SR/MR/RM Hardware and Software Compatibility

The original SR was designed 7 years ago, the MR some years before that. Over the last 7 years the software has developed with the Hardware. The following modifications have been made over the years.

<b>SR-4 Processor Board Compatibility</b> (Used in SR-4, SR-24, Sr-32)				
Part Number	27C512 EPROM	Play Only TC O/P	TC Reader Speed	U12 DUART
CB-9601-1	No	No	10xPlay	Lift Pin 33
CB-9601-2	No	No	10xPlay	Lift Pin 33
CB-9601-3	No	No	10xPlay	Lift Pin 33
CB-9601-4	Yes	No	10xPlay	Lift Pin 33
CB-9601-5	Yes or 29F010	Yes	30xPlay	Lift Pin 33

<b>SR6 Interface / S29 Interface Board Compatibility</b>			
Part Number	S88 Output	S29 OC Output	
CB9710-2 or -3	Yes	15v 50mA	
CB9710-4	No	50v 500mA Fused	

<b>Component Compatibility</b>			
Part	Original	Also fitted	Current
U16 Processor	6809 or 68B09	68C09	63B09
Speed	7.3MHz	7.3MHz	12MHz
U17 EPROM	27C256 or 27256		27C512
U18 RAM	6264		62256
U15 EEPROM	24C01	24C02	24C08
U12, U13 DUART's	SC2681		SC26C92

## New SR/MR/RM Software: 24C08 EEPROM

### User Machine List

The latest software upgrade maintains a user machine list of up to 8 machine setups in his system. This is transparent to the user, if any machine parameter is modified the machine parameters in the user machine setup list are updated. When a new machine is connected the software first checks the user machine list and if the machine is not found in the user list the Factory default list is checked.

The User machine list is saved to EEPROM at the same time as the system settings using  
Setup | Unit | Generic | Menu 30: Macro protection  
and selecting 4= Wr Usr.

### Compatibility

In the past all software updates other than EPROM size have not required any hardware updates. However it is not possible to determine if a 24C01 is fitted in the unit. The new software requires that a 24C08 is fitted, in fact the software will not work correctly if a 24C01 is fitted! We recommend that U15 is replaced with a 24C08 EEPROM. Once a 24C08 Eprom is fitted the hardware will work correctly with your old software as well as new software.

### Fitting 24C08 EEPROM

- 1) Locate EEPROM 8 DIL  
SR-4 : U15 Right hand Edge  
RM-6N : U19 behind Port C
- 2) Check type number, should be 24C01, 24C01A, or 24C02
- 3) Cut Legs
- 4) Remove legs individually using solder sucker or similar.
- 5) Fit Turned pin socket, PCB's are fragile after removing once!
- 6) Insert new 24C08 EEPROM checking the orientation.
- 7) Check with new Software, this will display No EEPROM fitted or Fit 24C08 EPROM if not correctly fitted.