

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

Installing New SR/MR Software

The latest versions of SR/MR software allow three different set-ups to be used, two of which are non volatile, as follows

- 1) Default setup read from Battery backed RAM, selected on power-up, same as when last powered.
- 2) User Setup read from EEPROM, selected by Hard Reset or Menu Command.
- 3) Factory Setup read from EPROM, selected by Menu Command.

note: The IFACE settings for each output port are always derived from EPROM and have only two settings:-

- 1) Default setup read from Battery backed RAM, selected on power-up, same as when last powered.
- 2) Factory Setup read from EPROM, selected by Hard Reset or Connecting a different machine type to the Port.

INSTALLING NEW SOFTWARE

When new software is fitted the USER SETUP may not be compatible. When installing new software follow this procedure

- i) Before changing the software note the users current **Unit** and **Auto/ADR** Setup. Note also the users **IFACE** settings for each output port.
- ii) Remove power from unit, Insert new EPROM and power up unit.
- ii) Select the Macro protection Menu **Setup | Root | Unit | Generic: menu 30:- Macro Protection**
- iii) Depress the **3** key to select **3= Rd Fac.**
- iv) Depress the **Setup** key twice to exit setup.
- v) Depress the **Setup** key to Re-enter the macro protection menu, this should now be selected to **1= On.**
- vi) Depress the **4** key to select **4= Wr Usr.**
- vii) Depress the **Setup** key twice to exit setup.
- viii) Wait for the EEPROM Write routine to finish

7.30 Macro Protection

MENU 30:- Macro Protection 0=Off 1= On, 2= Rd Usr 3= Rd Fac 4= Wr Usr
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0= Off

Macro's can be changed from the keyboard.

System Track Arm Keys may be changed from the keyboard

Pre/Post Roll May be changed from the keyboard

1= On

Macro's cannot be changed from the keyboard

System Track Arm Keys cannot be changed from the keyboard

Pre/Post Roll cannot be changed from the keyboard

2= Rd Usr

On exit from Setup the unit will read User Setup from EEPROM, the macro protection will default to 1= On. This is activated on leaving setup.

3= Rd Factory

On exit from Setup the unit will read the Read Factory Setup from EPROM, the macro protection will default to 1= On. This is activated on leaving setup.

4= Wr Usr

Setup the unit to work in your preferred manner then select to write current setup to EEPROM, the macro protection will default to 1= On. This is activated on leaving setup and may take up to 20 seconds to complete the write.

There are three set-ups possible

- 1) Current: destroyed when Read User or Read Factory are selected or a Hard Reset command.
- 2) User: selected by Read User or a hard reset command, setup the unit to work in the way that you want, then write to the eeprom by selecting 4= Wr Usr and exiting setup.
- 3) Factory: selected by Read Factory

The following table shows how the memory's are initialised after a power-up reset or a hard reset.

Action	Unit Setup	Macro's	System Track Map	Machine Parameters	Temp Stores
Power-On or Reset Button	Battery backed RAM				
Hard Reset	EEprom (User)			Eprom	Cleared

Fitting the latest timecode Generator (GEN7)

CB Electronics have developed a new improved generator chip (U27 on all SR/MR processor boards).

The main problem with the old chip was that after generating timecode in reverse the generator had to re-lock to the video reference when generating forward timecode. This could cause timecode 00:00:00:00 to be generated on direction change.

The new chip remains locked to video syncs in both forward and reverse to overcome this problem. Unfortunately after having a stable release of the timecode generator for 5 years we went from version 2 to version 7 in a matter of weeks. Version 7 is now stable and available, we recommend that all software updates use the latest chip SRGEN7(GEN7).

A special version is available that can insert either footage and local time in the user bits for use with GD-1 or LD-1.