

## 3 Alignments and Adjustments

This section describes to adjust LCD monitor after replacing EEPROM, Main PBA or Panel.

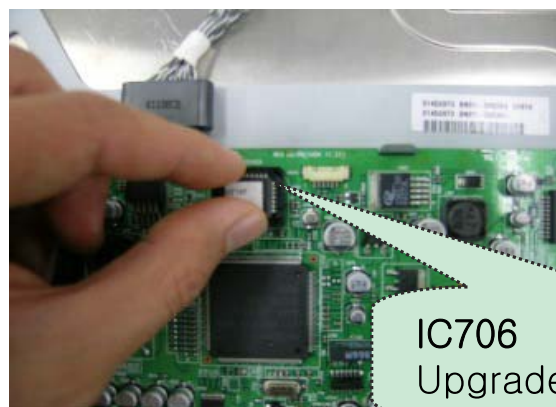
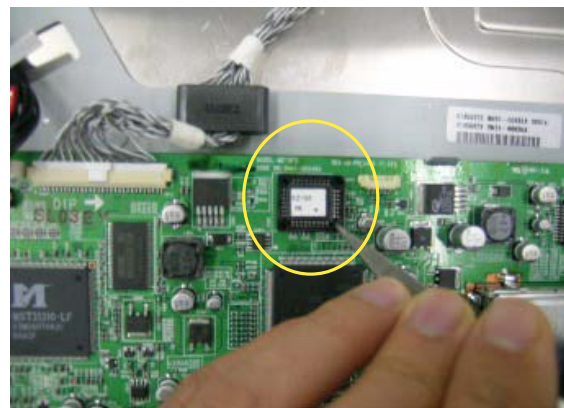
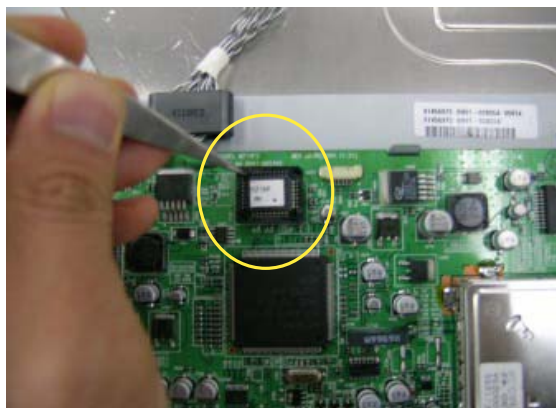
### 3-1 Program Upgrade

#### Change MICOM

: If the similar happenings occur, EEPROM can be changed

- EX1) When screen appears but remote control and function key aren't working
- EX2) When LED is on but the screen doesn't appear
- EX3) After mass production, when the micom program version is up-graded

\* MICOM replacement can be done when Service Bulletin issue is in practice.  
The process of working need to be prepare on Service Bulletin.

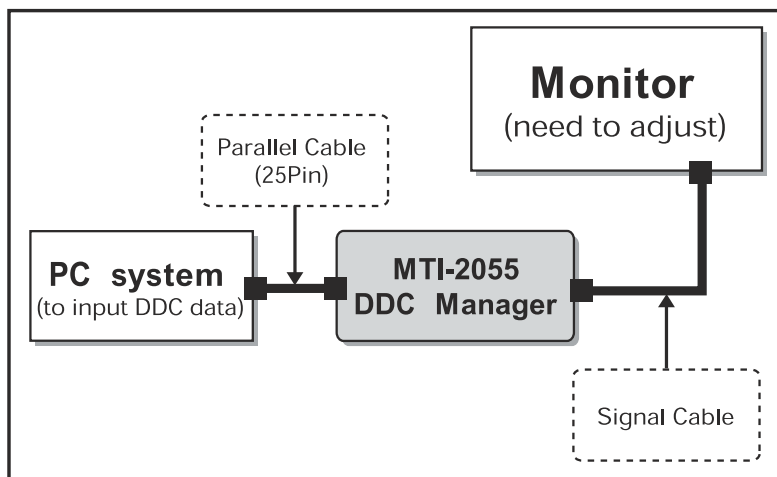


IC706  
Upgraded EPROM(Micom)

As the visual sample shown, after disassembling the set (refer to SET disassemble), remove the Micom in the exist IC202 Socket and replace new Micom.

- Use appropriate JIG or any sharp tool and place in the both corners to assist in removing.  
(Be aware! If the socket cause any damage after replacement the monitor will not function properly.)
- When inserting, attend to IC No.1 direction and press with suitable amount of strength.
- After replacement, in case of EEPROM Clear, enter to Factory mode and perform into action.

## 3-2 DDC JIG installation



Connect DDC JIG.

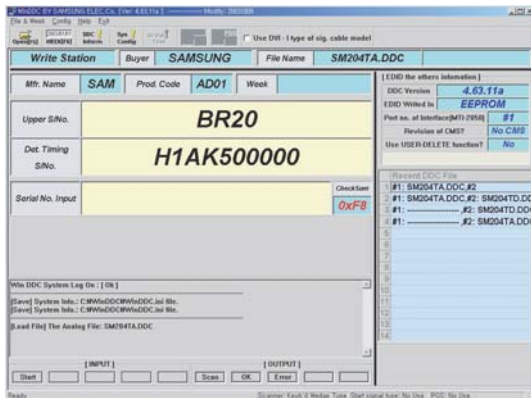
PC parallel port      DDC JIG      Monitor

JIG cable

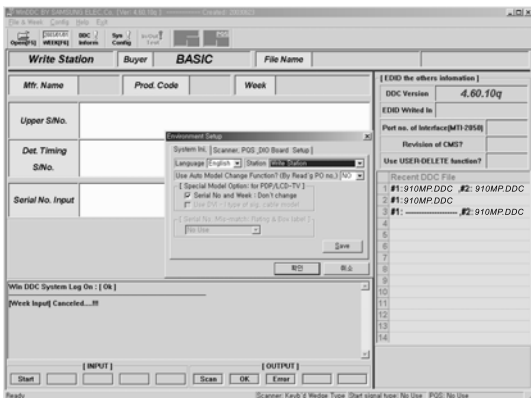
D\_sub cable



### 3-3 EDID Installation with Windows Program



1. Execute "WinDDC.exe"

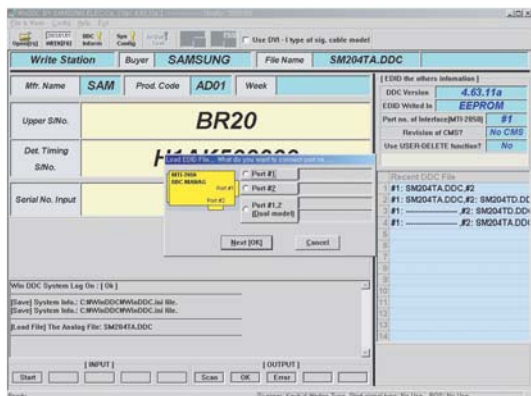


2. Click "Sys Config"

Select "Station : Write station"

Check "Serial No and Week : Don't change"

Click "Save"



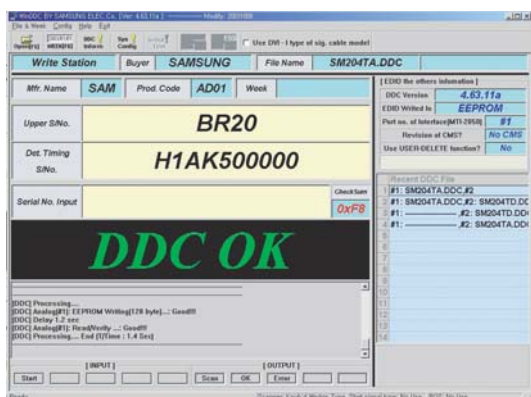
3. Click "Open" icon.

Select "Connected Port #1" and Next "OK".

\* File Name - SM940MWA.DDC : Analog

- SM940MWD.DDC : Digital

Press enter key on your keyboard.



4. Confirm the "DDC OK".

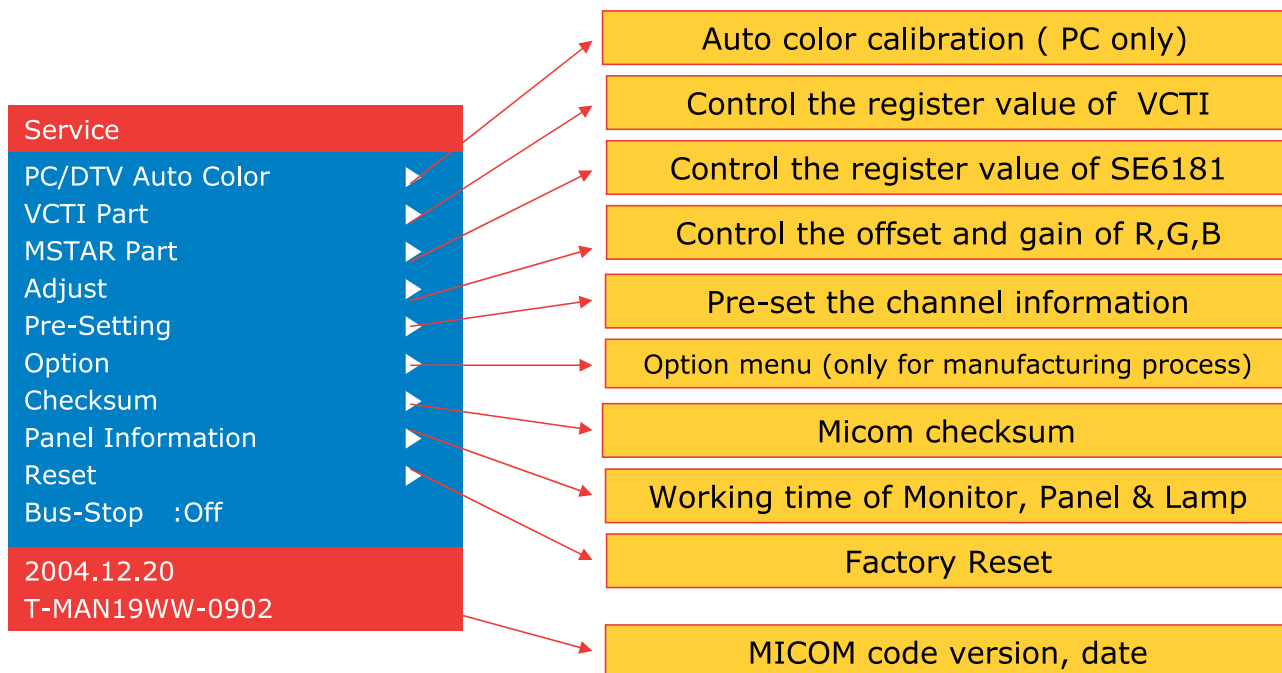
- After Replacing the Main Board
- EDID Installation (Analog and Digital)

## 3-4 Factory Mode Adjustments

### 3-4-1 Factory Mode Admission

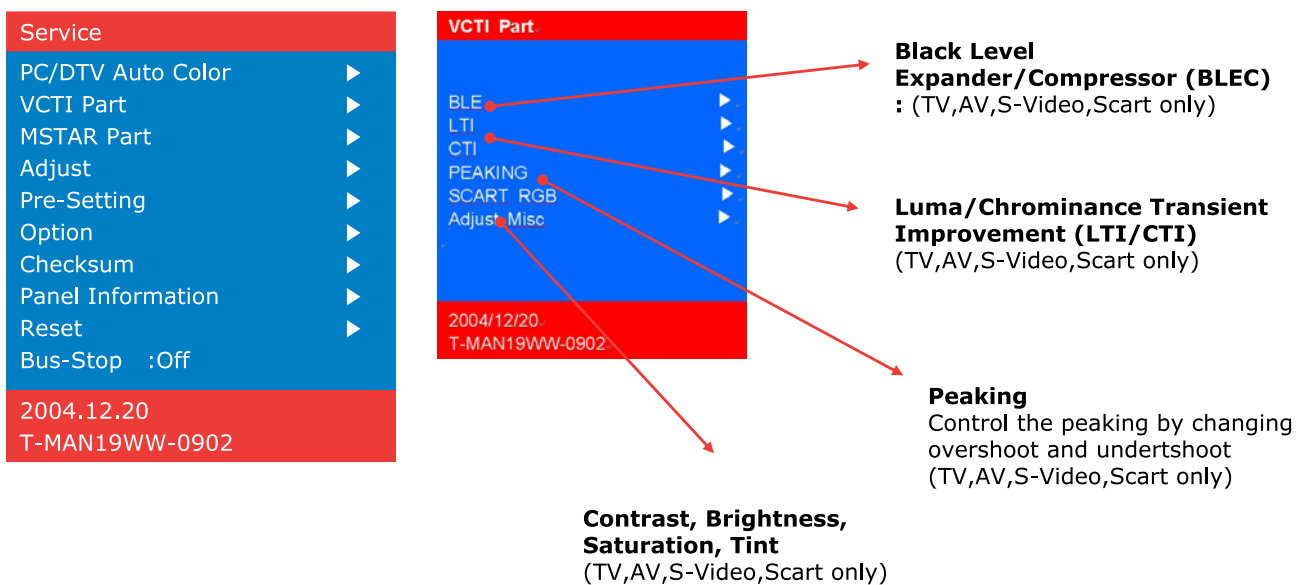
- PAL : [Power off] → [Info] → [Menu] → [Power on]
- NTC : [Power off] → [MUTE] → [1] → [8] → [2] → [Power on]

### 3-4-2 Service Mode Menu



### -. DDP Part

Only for picture quality setting at stage of development



-. MSTAR Part

Only for picture quality setting at stage of development

Service	
PC/DTV Auto Color	▶
VCTI Part	▶
MSTAR Part	▶
Adjust	▶
Pre-Setting	▶
Option	▶
Checksum	▶
Panel Information	▶
Reset	▶
Bus-Stop :Off	
2004.12.20	
T-MAN19WW-0902	

MSTAR Part	
PAGE1	▶
PAGE2	▶
Spr. Spect	▶
ADC Part	▶
De-Interlacer	▶
6 Color	▶
2004/12/20	
T-MAN19WW-0902	

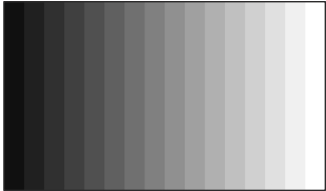
**Scaler(SE6181) Control**  
Control the register value of each functional block of scaler, SE6181

-. Adjust , PC/DTV Auto Color

Service	
PC/DTV Auto Color	▶
VCTI Part	▶
MSTAR Part	▶
Adjust	▶
Pre-Setting	▶
Option	▶
Checksum	▶
Panel Information	▶
Reset	▶
Bus-Stop :Off	
2004.12.20	
T-MAN19WW-0902	

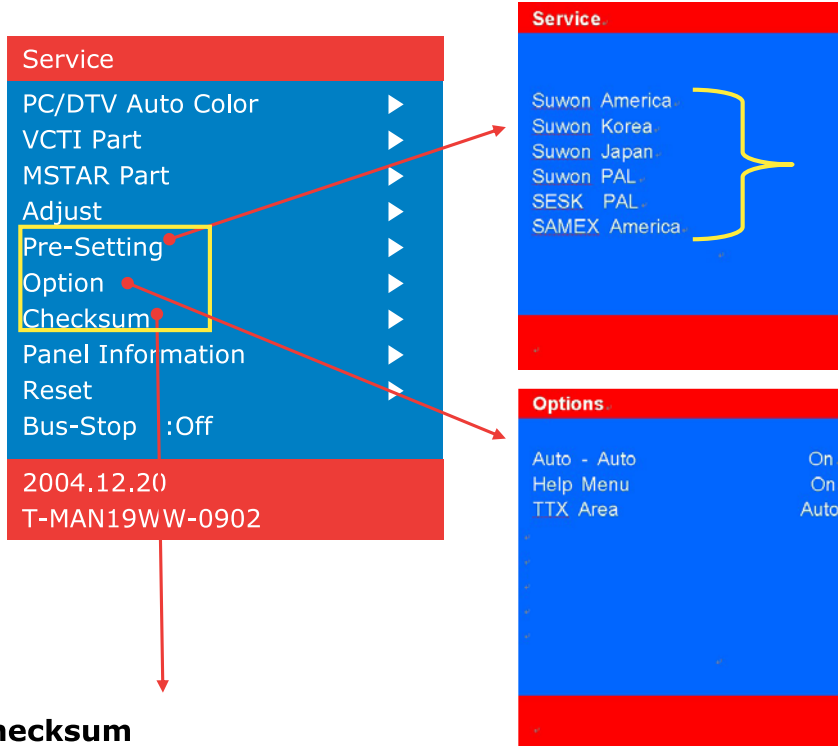
Service	
R Gain	105
G Gain	128
B Gain	128
R Offset	130
G Offset	128
B Offset	121
Sub Contrast	61
Sub Contrast	53

**RGB input gain/offset**  
Only for picture quality setting at stage of development



**PC/DTV Auto Color**  
▶ PC analog : 1280x1024/60Hz, 16Gray pattern

#### - Pre-Setting, Options , Checksum

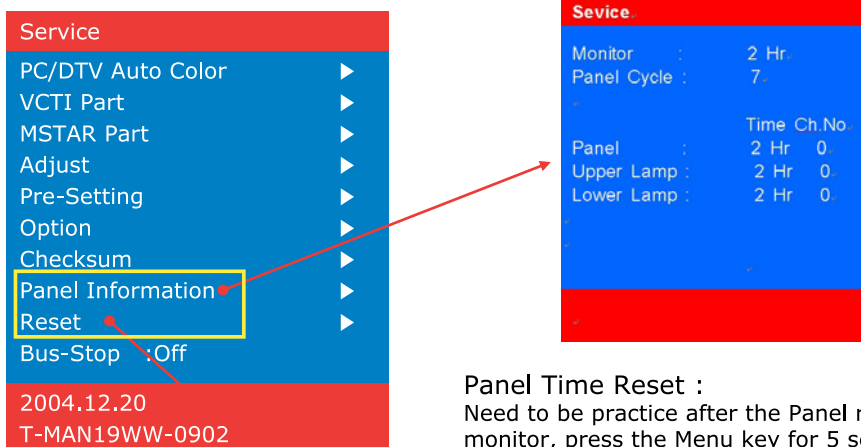


Set up channel for each factory

#### Checksum

Indicate the checksum of Micom

#### - Panel Information , Reset



#### Panel Time Reset :

Need to be practice after the Panel replacement. In the front portion of the monitor, press the Menu key for 5 seconds, then the Time will be changed to 0 and Ch. No will be increase 1.

Factory Reset : All of OSD values are initialized  
After Factory Reset, the monitor power is shut downed automatically