```
void MainLCD_Init(void)
{

#if 1 //CMO2.8+HX8347D
//Driving ability Setting
WMLCDCOM(0x00EA);WMLCDDATA(0x0000); //PTBA[15:8]
WMLCDCOM(0x00EB);WMLCDDATA(0x0020); //PTBA[7:0]
WMLCDCOM(0x00EC);WMLCDDATA(0x000C); //STBA[15:8]
WMLCDCOM(0x00ED);WMLCDDATA(0x00C4); //STBA[7:0]
WMLCDCOM(0x00E8);WMLCDDATA(0x0040); //OPON[7:0]
WMLCDCOM(0x00E9);WMLCDDATA(0x0038); //OPON1[7:0]
WMLCDCOM(0x00F1);WMLCDDATA(0x0001); //OTPS1B
WMLCDCOM(0x00F2);WMLCDDATA(0x0010); //GEN
WMLCDCOM(0x0027);WMLCDDATA(0x00A3);

//Gamma 2.2 Setting
WMLCDCOM(0x0040);WMLCDDATA(0x0000); //
WMLCDCOM(0x0041);WMLCDDATA(0x0000); //
WMLCDCOM(0x0042);WMLCDDATA(0x0001); //
WMLCDCOM(0x0043);WMLCDDATA(0x0013); //
WMLCDCOM(0x0044);WMLCDDATA(0x0010); //
WMLCDCOM(0x0045);WMLCDDATA(0x0026); //
WMLCDCOM(0x0046);WMLCDDATA(0x0008); //
WMLCDCOM(0x0047);WMLCDDATA(0x0051); //
WMLCDCOM(0x0048);WMLCDDATA(0x0002); //
WMLCDCOM(0x0049);WMLCDDATA(0x0012); //
WMLCDCOM(0x004A);WMLCDDATA(0x0018); //
WMLCDCOM(0x004B);WMLCDDATA(0x0019); //
WMLCDCOM(0x004C);WMLCDDATA(0x0014); //

WMLCDCOM(0x0050);WMLCDDATA(0x0019); //
WMLCDCOM(0x0051);WMLCDDATA(0x002F); //
WMLCDCOM(0x0052);WMLCDDATA(0x002C); //
WMLCDCOM(0x0053);WMLCDDATA(0x003E); //
WMLCDCOM(0x0054);WMLCDDATA(0x003F); //
WMLCDCOM(0x0055);WMLCDDATA(0x003F); //
WMLCDCOM(0x0056);WMLCDDATA(0x002E); //
WMLCDCOM(0x0057);WMLCDDATA(0x0077); //
WMLCDCOM(0x0058);WMLCDDATA(0x000B); //
WMLCDCOM(0x0059);WMLCDDATA(0x0006); //
WMLCDCOM(0x005A);WMLCDDATA(0x0007); //
WMLCDCOM(0x005B);WMLCDDATA(0x000D); //
WMLCDCOM(0x005C);WMLCDDATA(0x001D); //
WMLCDCOM(0x005D);WMLCDDATA(0x00CC); //

//Power Voltage Setting
WMLCDCOM(0x001B);WMLCDDATA(0x001B); //VRH=4.65V
WMLCDCOM(0x001A);WMLCDDATA(0x0001); //BT (VGH~15V,VGL~-10V,DDVDH~5V)
WMLCDCOM(0x0024);WMLCDDATA(0x002F); //VMH(VCOM High voltage ~3.2V)
WMLCDCOM(0x0025);WMLCDDATA(0x0057); //VML(VCOM Low voltage -1.2V)

//****VCOM offset**///
WMLCDCOM(0x0023);WMLCDDATA(0x008d); //for Flicker adjust //can reload from OTP

//Power on Setting
WMLCDCOM(0x0018);WMLCDDATA(0x0036); //I/P_RADJ,N/P_RADJ, Normal mode 60Hz
WMLCDCOM(0x0019);WMLCDDATA(0x0001); //OSC_EN='1', start Osc
WMLCDCOM(0x0001);WMLCDDATA(0x0000); //DP_STB='0', out deep sleep
WMLCDCOM(0x001F);WMLCDDATA(0x0088);// GAS=1, VOMG=00, PON=0, DK=1, XDK=0, DVDH_TRI=0, STB=0
Delayms(5);
WMLCDCOM(0x001F);WMLCDDATA(0x0080);// GAS=1, VOMG=00, PON=0, DK=0, XDK=0, DVDH_TRI=0, STB=0
Delayms(5);
WMLCDCOM(0x001F);WMLCDDATA(0x0090);// GAS=1, VOMG=00, PON=1, DK=0, XDK=0, DVDH_TRI=0, STB=0
Delayms(5);
WMLCDCOM(0x001F);WMLCDDATA(0x00D0);// GAS=1, VOMG=10, PON=1, DK=0, XDK=0, DDVDH_TRI=0, STB=0
Delayms(5);

//262k/65k color selection
WMLCDCOM(0x0017);WMLCDDATA(0x0005); //default 0x0006 262k color // 0x0005 65k color

//SET PANEL
WMLCDCOM(0x0036);WMLCDDATA(0x0000); //SS_P, GS_P,REV_P,BGR_P

//Display ON Setting
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WMLCDCOM(0x0028);WMLCDDATA(0x0038); //GON=1, DTE=1, D=1000
Delayms(40);
WMLCDCOM(0x0028);WMLCDDATA(0x003C); //GON=1, DTE=1, D=1100

//Set GRAM Area
WMLCDCOM(0x0002);WMLCDDATA(0x0000);
WMLCDCOM(0x0003);WMLCDDATA(0x0000); //Column Start
WMLCDCOM(0x0004);WMLCDDATA(0x0000);
WMLCDCOM(0x0005);WMLCDDATA(0x00EF); //Column End
WMLCDCOM(0x0006);WMLCDDATA(0x0000);
WMLCDCOM(0x0007);WMLCDDATA(0x0000); //Row Start
WMLCDCOM(0x0008);WMLCDDATA(0x0001);
WMLCDCOM(0x0009);WMLCDDATA(0x003F); //Row End
WMLCDCOM(0x0022); //Start GRAM write
#endif
}
```