

1.Edit "Sub Ds1307_config()" Config :

For ex)

' Soft_I2C config pins-----

Sub Ds1307_config()

'Config ds1307

Waitms 50

Dim A As Byte

Dim B As Byte

'i2c pin config

Config Scl = Portc.5

'set scl_i2c pin

Config Sda = Portc.4

'set sda_i2c pin

'i2cspeed=100khz for ds1307

'set i2c speed 100khz

Config I2cdelay = 10

End Sub

'-----

2. call Ds1307_config()

3. if is first Run ds1307 then call Ds1307_play()

4.Enjoy!

sub procedure Ds1307_config()	Init software_i2c
sub Function Ds1307_is_play0_pause1()as Byte	If return 0 then ds1307 is Pause If return 1 then ...
Sub procedure Ds1307_play()	Play ds1307 if is first Run ds1307 then call Ds1307 play()
Sub procedure Ds1307_pause()	Pause ds1307 time counter
Sub procedure Ds1307_set_second(dim Second 0 59 As Byte)	Set second Second_0_59 = 0 ... 59
sub Function Ds1307_get_second_0_59() As Byte	Get second Return 0...59
Sub procedure Ds1307_set_minute(dim Minute_0_59 As Byte)	Set minuite Minute_0_59 = 0...59
sub Function Ds1307_get_minute_0_59() As Byte	Get minute Return 0...59
sub Function Ds1307_is_24h_0_12h_1_mode() As Byte	If ds1307 is 24h mode then Return 0 and ... return 1
Sub procedure Ds1307_set_24h_or_12h_mode(dim _24h_0_12h_1 As Byte)	Set ds1307 to 24h or 12h mode If _24h_0_12h_1=0 then 24h mode Else if _24h_0_12h_1=1 then 12h mode

sub Function Ds1307_is_pm_1_am_0() As Byte	<p>If time is am then return 0 and ... return 1</p> <p>This Function worked in 24h and 12h mode !</p>
sub Function Ds1307_get_hour_0_23() As Byte	<p>Get Hour Return 0...23</p> <p>This Function worked in 24h and 12h mode !</p>
sub Function Ds1307_get_hour_0_12() As Byte	<p>Get Hour Return 0...12</p> <p>If is 0:00Am retrun 0 Then is 12:00pm Return 12 And otherwise is 1...11</p> <p>This Function worked in 24h and 12h mode !</p>
sub procedure Ds1307_set_hour_0_23(dim Hour_0_23 As Byte)	<p>Set Hour Hour_0_23 = 0...23</p> <p>This Function worked in 24h and 12h mode !</p>
Sub procedure Ds1307_set_hour_0_11(dim Hour_0_12 , Am0_pm1 As Byte)	<p>Set Hour Hour_0_12 = 0...12 Am0_pm1 = 0 or 1 0 is AM and 1 is Pm</p> <p>This Function worked in 24h and 12h mode !</p>
sub Function Ds1307_get_dayofweek_1_7()as Byte	<p>Get Day of Week Return 1...7 1 is first day of week and 7 is ...</p>
Sub procedure Ds1307_set_dayofweek(dim Dayofweek_1_7 As Byte)	<p>Set day Of week Dayofweek_1_7 = 1...7</p> <p>1 is first day of week and 7 is ...</p>
sub Function Ds1307_get_dayofmonth_1_31()as Byte	<p>Get day Of Month Return 1...31</p>
Sub procedure Ds1307_set_dayofmonth(dim Dayofmonth_1_31 As Byte)	<p>Set Day Of Month Dayofmonth_1_31 = 1...31</p>
sub Function Ds1307_get_monthofyear_1_12()as Byte	<p>Get Month Of Year Return 1...12</p> <p>1 is "jan" and 12 is "Dec"</p>
Sub procedure Ds1307_set_monthofyear(dim Monthofyear_1_12 As Byte)	<p>Set Month of Year Monthofyear_1_12 = 1...12</p> <p>1 is "jan" and 12 is "Dec"</p>
sub Function Ds1307_get_year_0_99()as Byte	<p>Get Year Return 0...99</p> <p>0 is 2000 and 99 is 2099</p>
Sub procedure Ds1307_set_year(dim Year_0_99 As Byte)	<p>Set Year Year_0_99 = 0...99</p>

	0 is 2000 and 99 is 2099
Sub procedure Ds1307_external_1hz_on()	External 1hz Clock on Please Read Ds1307 DataSheet
sub procedure Ds1307_external_4096hz_on()	External 4096hz Clock on Please Read Ds1307 DataSheet
sub procedure Ds1307_external_8192hz_on()	External 8192hz Clock on Please Read Ds1307 DataSheet
sub procedure Ds1307_external_32768hz_on()	External 32768hz Clock on Please Read Ds1307 DataSheet
sub procedure Ds1307_external_off_sqwe_0()	Set External Clock Off And Digital Level of SQWE pin set 0 Please Read Ds1307 DataSheet
sub procedure Ds1307_external_off_sqwe_1()	Set External Clock Off And Digital Level of SQWE pin set 1 Please Read Ds1307 DataSheet
sub Function Ds1307_read_ram(dim Ram_byte_index_0_55 As Byte) As Byte	Read byte in ds1307 Ram Ram_byte_index_0_55= 0...55 address of ram
sub procedure Ds1307_write_ram(dim Ram_byte_index_0_55 , Value As Byte)	Write byte in ds1307 Ram Ram_byte_index_0_55= 0...55 address of ram Value = value!

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