
Subject: Since Raspberry have not RTC clock, I propose add SetTime functionality
Posted by [sergeynikitin](#) on Sun, 11 Dec 2016 17:52:54 GMT

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I propose this variant of function SetTime(Time) (file Core/TimeDate.cpp)

```
bool SetSysTime(Time time)
{
#ifdef __ARM_EABI__
    struct tm mytime;
    struct timeval garfield;
    time_t new_time;
    int result_t;

    //Set Time struct
    mytime.tm_sec = time.second;    // Seconds
    mytime.tm_min = time.minute;    // Minutes
    mytime.tm_hour = time.hour+1;    // Hours
    mytime.tm_mday = time.day;    // Day of Month
    mytime.tm_mon = time.month-1;    // Month
    mytime.tm_year = time.year-1900;    // Year

    new_time = mktime(&mytime);
    garfield.tv_sec = new_time;
    garfield.tv_usec=0;

    result_t=settimeofday(&garfield,NULL);
    if(result_t<0)
    {
        fprintf(stderr,"Error setting the Time.\n");
        return false;
    }
    else
    {
        return true;
    }
#else
#ifdef PLATFORM_POSIX
    struct tm    tmp_time;
    tmp_time.tm_sec = time.second;
    tmp_time.tm_min = time.minute;
    tmp_time.tm_hour = time.hour;
    tmp_time.tm_mday = time.day;
    tmp_time.tm_mon = time.month-1;
    tmp_time.tm_year = time.year-1900;
    time_t raw_time = mktime(&tmp_time);
```

```
struct timespec sys_time;
sys_time.tv_sec = raw_time;
sys_time.tv_nsec = 0;

int result = clock_settime(CLOCK_REALTIME, &sys_time);
return (result == 0);
#endif
#endif

#ifdef PLATFORM_WIN32
SYSTEMTIME systime;
systime.wYear = time.year;
systime.wMonth = time.month;
systime.wDay = time.day;
systime.wHour = time.hour;
systime.wMinute = time.minute;
systime.wSecond = time.second;
systime.wDayOfWeek = 0;
systime.wMilliseconds = 0;
return SetLocalTime( &systime );
#endif
}
```

Subject: Re: Since Raspberry have not RTC clock, I propose add SetTime functionality

Posted by [Didier](#) on Thu, 15 Dec 2016 19:31:57 GMT

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Hello Sergey,

The RPI linux doesn't already do something to manage this ??

Subject: Re: Since Raspberry have not RTC clock, I propose add SetTime functionality

Posted by [sergeynikitin](#) on Thu, 15 Dec 2016 19:49:13 GMT

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RPI has no RTC (with an independent power supply) clock onboard.
Therefore the appropriate system call of setting of system clock leads to a procedure call of setting up of time on the real-time hardware clock. And as it's absent, the command is quietly ignored by system.
