

settime

WMPRO, WMMINI FW \geq 1.0 WMMEGA FW \geq 2.0

Set the system time from a Linux **Timestamp**, with optional **calibration**

Description

```
settime ( int $timestamp [, int $calibration ] )
```

This function will modify the system clock from a **timestamp**. If the optional **calibration** constant is included it will also modify the RTC register value to increase the time somewhat to compensate for clock lag.

Parameters

\$timestamp: Seconds since January 1, 1970, 00:00:00, local Wattmon time

\$calibration: Optional, value to set in the RTC calibration register¹⁾

Return Values

None

Notes

Unlike mainline PHP, in uPHP “Linux Timestamps” are based upon the Wattmon's local time, not UTC/GMT.

Technically, the Unix Epoch is defined as being January 1, 1970, 00:00:00 *GMT*. But on the [Wattmon](#), timestamps are relative to January 1, 1970, 00:00:00 *local timezone*.

If the Wattmon clock and timezone are set to UTC+00 (GMT) then the uPHP timestamp *is* the same as mainline PHP, otherwise not.

In uPHP on the Wattmon this simplification is referred to as a “Linux Timestamp” but it should be noted that it may not be exactly the same, depending on the Wattmon's timezone settings.

In other words: Wattmon “Linux Timestamps” are based upon local Wattmon time and are not adjusted by the timezone setting in Control Panel > Time Settings (Time and Date Settings) > UTC Offset. (These settings are stored in `/config/time.ini`.)

See Also

[microtime\(\)](#) - Return the number of milliseconds since boot

[mktime\(\)](#) - Return the Linux Timestamp for a given date and time

[strftime\(\)](#) - Format a Linux Timestamp using a format **string**

[time\(\)](#) - Return the current system timestamp

[timefromfat\(\)](#) - Convert a FAT filetime to a Linux Timestamp

[uptime\(\)](#) - Return the uptime in milliseconds

1)

The calibration register value is also stored in `/config/time.ini` key `rtc_adjust`.

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