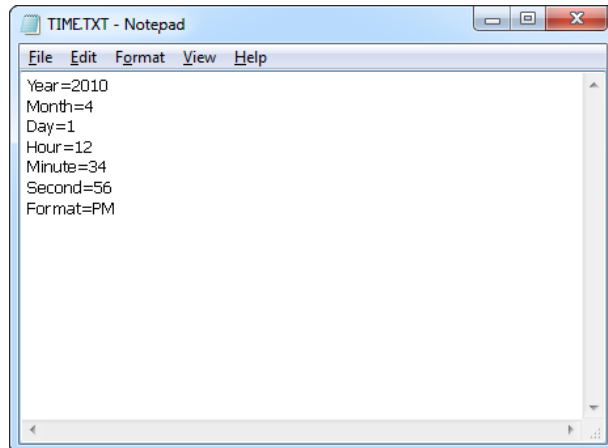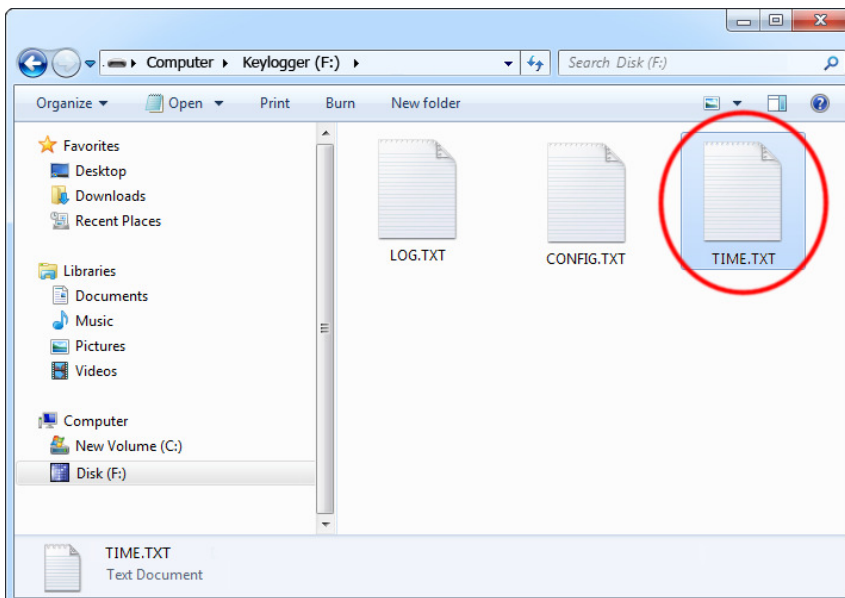# Clock configuration (TimeKeeper models)

It is necessary to configure the built-in clock module for getting correct date and time-stamps. To do this, a text file named TIME.TXT should be prepared with the following format:

```
Year=2010
Month=4
Day=1
Hour=12
Minute=34
Second=56
Format=PM
```


The fields should contain the current time and date. The field *Format* allows distinguishing between A.M., P.M., and 24-hour time (use the value *AM*, *PM*, or *24*). After the file has been prepared, switch to Flash Drive mode and copy the file TIME.TXT to the root folder of the flash disk. For the PS/2 version, the USB Download Accelerator has to be used to switch to Flash Drive mode.

After copying the file, safely remove the Flash Drive. The new clock configuration will be loaded during the next power-up.

The clock configuration file must be named TIME.TXT and must be placed in the root folder. Variable and value strings are case insensitive, however they must match the options listed below.

- *Year* sets the clock year value. Valid range is from 2000 to 2099.
- *Month* sets the clock month value. Valid range is from 1 (January) to 12 (December).
- *Day* sets the clock day value. Valid range is from 1 to 31. If the specified day exceeds the maximum number of days in the specified month, the next valid day value will be chosen.

- *Hour* sets the clock hour value. Valid range is from 1 to 12 for 12-hour time (A.M./P.M.), and 0 to 23 for 24-hour time.
- *Minute* sets the clock minute value. Valid range is from 0 to 59.
- *Second* sets the clock second value. Valid range is from 0 to 59.
- *Format* sets the time format. Valid values are *AM*, *PM*, and *24*. If *AM* is chosen, the 12-hour format is selected and the specified hour is treated as before noon. If *PM* is chosen, the 12-hour format is selected and the specified hour is treated as after noon. If *24* is chosen, the 24-hour format is selected and the specified hour is treated as 24-hour format.

Sample TIME.TXT for 12-hour time:

```
Year=2010
Month=10
Day=25
Hour=5
Minute=51
Second=43
Format=PM
```

Sample TIME.TXT for 24-hour time:

```
Year=2010
Month=10
Day=25
Hour=17
Minute=51
Second=43
Format=24
```

Mac Compatibility Pack (USB MCP version only)

The *Mac Compatibility Pack* (*MCP*) is a hardware enhancement ensuring full compatibility with *Apple Mac* computers and keyboards. Several *Apple* keyboards are USB High-Speed and Low-Speed combos, creating a challenge for all types of USB keyloggers. The aluminum *Apple A1243* and *A1242* are typical examples:

The *KeyGrabber TimeKeeper* with the *Mac Compatibility Pack* features a special Mac Mode (enabled by default), which will convert the keystroke data stream to USB Full-Speed, ensuring proper operation of the keyboard and logging of all keystrokes. Mac Mode is compatible with standard keyboards too, so the *KeyGrabber* does not have to be reconfigured.

When enabled, Mac Mode will add an additional pass-through USB hub to the system. If this is undesired, Mac Mode can always be disabled, restoring normal operation. To disable Mac Mode, open the configuration file CONFIG.TXT (see section **Configuration files**) and add the following entry:

```
MacMode=N
```