

# **Telemotive Download Terminal - User Guide**

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<u>General\_Terms\_and\_Conditions\_of\_Sale\_and\_Delivery\_Telemotive\_AG.pdf</u>



## 3 Overview

This user guide describes the feature of the license **Telemotive Download Terminal** for the following data loggers of MAGNA Telemotive GmbH:

- blue PiraT2
- blue PiraT2 5E
- blue PiraT Mini
- Remote Control Touch
- blue PiraT Remote

The Telemotive Download Terminal in the Telemotive System Client allows the automatization of nearly all processes which had to be done by hand for every device before. By assigning devices to groups you can define, which steps had to be performed for which group of devices, when the client identifies a device.

The whole workflow, from updating the firmware or configuration up to download and conversion of the files can be defined and will be done for these devices later without any interaction of users.

This helps you to archive results of test drives automatically which saves time for instruction of your test drivers who only have to plug the device into your network.

This user guide describes the configuration and usage of this feature. The general configuration is described in the user guides of the used data logger as well as the Telemotive System Client, which is valid together.

This document refers to **firmware version 03.04.01** and the **Telemotive System Client** from **version 3.4.1**. Some features depending on model and feature license or may not be available in older versions.

Software updates and user guides for other, optional, licensed enhancements are available in the Telemotive ServiceCenter. (Please find the address under Contact at the last page.)

To ensure the most reliable operation of your system as possible, please make sure to use always current firmware and software versions.



# Please note these important instructions about the handling of devices of MAGNA Telemotive GmbH!

There's a linux system running on the devices and sometimes when the device has a dirty shutdown due to a power break down or unplugging the power supply, the system is corrupt from this time. You know this situation from a PC, when you switch it off some times it maybe will not work any more or show you some mistakes.

In most cases this issue is catched up and repaired by the linux system we use, but sometimes it can happen that the system on the logger is damaged and there's no access to the device any more.

We are optimizing the handling of corrupted systems permanently and are integrating some new enhancements regarding this kind of issues with every new release to save the system. But we can't make the system for 100% save against these influences.

So please use always the provided mechanism for shutting down the device or the implemented standby function in which the device shutting down when no traffic is detected any more in an adjustable time.



## 4 System requirements

#### **Control Unit**

A Windows based Laptop or PC is needed to configure the devices by **Telemotive System Client**. It also allows to save the recorded data and to use them offline later.

#### **Telemotive System Client**

The software client is used for configuring the data logger as well as downloading the recorded data or convert these into your needed file format. An firmware update can be performed by the **Telemotive System Client** too to ensure that your devices are always up to date.

#### blue PiraT2 / blue PiraT2 5E / blue PiraT Mini

The communication between bus systems and control units is monitored and relevant data can be recorded very precisely with the data logger. The collected data are stored to the logger and can be downloaded via Ethernet to a PC.

The **blue PiraT2** is our top-class all-in-one data logger. Seven models cover a wide range of interfaces.

Additionally, the **blue PiraT2 5E** offers improved power management and power backup, five integrated Ethernet ports and super-fast start-up behavior. The blue PiraT2 can be flexibly expanded via <u>Telemotive System Link</u>.

The **blue PiraT Mini** is smallest data logger in the world with an outstanding functional scope. It offers a wide range of interfaces, stable temperature behavior, very low energy consumption, four GBit Ethernet ports, and much more. Different blue PiraT Mini can be flexibly expanded to one cluster and therefore handled very easily by using <u>Telemotive System Link</u>.

#### **Remote Control Touch (optional)**

Operate your blue PiraT Mini or blue PiraT2 data loggers safely and comfortably from the driver's or passenger seat. Via Telemotive System Link our new remote control becomes part of your logger network. One remote control can handle all connected loggers.

#### blue PiraT Remote (optional)

While Remote Control Touch is just a control unit for handling unique devices or a TSL network, the blue PiraT Remote additional has logger functionality by offering internal storage and some interfaces.

#### License

For the additional feature **Telemotive Download Terminal** an installed license is required. Settings for licensed features can be performed with a valid license only.

If you need a license for your logger, please contact our sales department (please find the address under contact at the last page).



### 4.1 Further manuals

Beside this user guide we offer the main manuals for our client as well as for the different data logger generations in our ServiceCenter at <u>https://sc.telemotive.de/bluepirat</u>.

#### User manual for the Telemotive System Client https://sc.telemotive.de/4/uploads/media/TelemotiveSystemClient\_UserManual.pdf

User manual for blue PiraT2 / blue PiraT2 5E https://www.telemotive.de/4/uploads/media/blue\_PiraT2\_UserManual.pdf

User manual for blue PiraT Mini https://www.telemotive.de/4/uploads/media/blue\_PiraT\_Mini\_UserManual.pdf

#### **User manual for Remote Control Touch**

https://sc.telemotive.de/4/uploads/media/RCTouch\_UserGuide.pdf

#### User manual for blue PiraT Remote

https://sc.telemotive.de/4/uploads/media/blue PiraT Remote UserGuide.pdf

For having an easy access if necessary, the most important manuals are linked in the client under the menu item **[Help]** and are reachable easily from there.

File Tools Window	Help		
Network Logger 🕷	63	Telemotive System Client manual	-
Name		blue PiraT 2 manual	s 😣
🗉 🚽 CS_TSL (3)		blue PiraT Mini manual	A
LCS_bP2_10036		Remote Control Touch manual	
📇 CS_bPR_10057		blue PiraT Remote manual	E
CS_RCT_10060		Info	-

#### Figure 4.1: links to the manuals

Our licensed enhancements have own manuals which are stored in the ServiceCenter too. You will find a list of these enhancements in the user manuals in the chapter **Additional features by optional licenses**.

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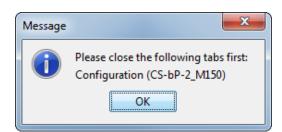
# 5 Starting Telemotive Download Terminal

Please choose **[Tools]** => **[Telemotive Download Terminal]** to change into **Telemotive Download Terminal**.

File Tools Window Help				
Net		Create bug report (only client data)		
Na	6	Telemotive Download Terminal		
	Te	lemotive Download Terminal		

#### Figure 5.1: Starting Telemotive Download Terminal

If there are some tabs open in the client you will get a message to close this tabs



#### Figure 5.2: Messsage if tabs are open

The client window changes into Telemotive Download Terminal,

🖗 Telemotive System Client 📃 🗖 🗙					
File Tools Window Help					
Telemotive Download Terminal	Manual 🕜				
Settings	22				
General Download Conversion Configuration OnlineMonitor	Q Filter (Ctrl+F)				
+ Create new group Terminal configuration To be processed through the terminal software a logger must be assigned to a group. For each group settings can be applied that define how the detected devices will be processed. The loggers are assigned to a group either by their serial number or by their configured logger name. Furthermore it is possible to create a "default" group that defines settings for all devices that can't be assigned to another group.					
	OK Cancel				
Kompakte Ansicht all tasks	▼ 🤂 0 / 📀 0 / 💽 0 Details				
ත් 🔁 Output					

Figure 5.3: Starting Telemotive Download Terminal



and opens automatically the settings window when it starts the first time.

Einstellungen		×			
General Download Conversion Configuration Online-Monitor	Terminal Proxy	Q			
+ Create new group					
<b>Terminal configuration</b> To be processed through the terminal software a logger must be assigned to a group. For each group settings can be applied that define how					
the detected devices will be processed. The loggers are assigned to a group either by their serial number or by their configured logger name. Furthermore it is possible to create a "default" group that defines settings for all devices that can't be assigned to another group.					
		OK Apply Cancel			

Figure 5.4: Settings for Telemotive Download Terminal

Following the note you have to create a group in the first step by clicking Create new group to which the devices can be assigned later.

() Settings	Filter (Ctrl+F)		
General Download Conversion Configuration Group:CS + Group name CS Members Default This group contains all devices that are not assigned to another group.	OnlineMonitor       Terminal         Remove group       Duplicate group         Fasks       Task order         I Download data - inactive         One convert data - inactive         Convert data - inactive         Delete data - inactive         Delete data - inactive         Delete data - inactive         Delete data - inactive         Update configuration - inactive         Update firmware - inactive         Update licenses - inactive         Download bugreport - inactive		
< III OK Cancel			

#### Figure 5.5: Creating a new group



## 5.1 Assigning devices to a group

These methods are available to assign a logger to a group:

- Default
- Identified by name
- Identified by S/N
- Identified by IP

M	lembers	
	Default	<b>T</b>
	Default	2
	Identified by name	
	Identified by S/N	
	Identified by IP	

#### Figure 5.6: Assigning members to a group

Device can be added by writing them into the empty field and transfer them by the button Add into the list.

Identifie	d by S/N	•	
Serial number(s):			
	Add device		
1007419			
	Add		
	Remove		
1006014			

#### Figure 5.7: Adding the members

Devices can be removed from the list by clicking



### 5.1.1 Default

If the method is set to [default], all devices which are not assigned to another group are handled with the configured settings.

M	embers
	Default 👻
	This group contains all devices that are not assigned to another group.

#### Figure 5.8: Members: default

#### Attention:

Do not use this option in huge networks where a lot of devices are available because all devices will be handled with these steps when the Telemotive Download Terminal identifies this device.



### 5.1.2 Identified by name

Members can be identified by their name. Available options are to identify them by the whole name, the beginning or a part at the name.

Members		
Identified by name 🛛 👻		
Condition		
Name starts with		
Name contains		
Name is		
Logger names		
Add		
Remove		
CS Test CS-Test		

Figure 5.9: Members: identified by name

### 5.1.3 Identified by S/N

Their serial number can identify members too.

Members			
Identified by S/N 🗸			
Serial number(s):			
Add			
Add			
Remove			

#### Figure 5.10: Members: identified by S/N

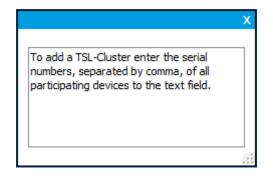
Devices or TSL cluster, which are active and reachable, can be added directly available by using the button **[Add].** 



#### Note:

A TSL-Cluster can be added by typing all serial numbers of the TSL into the field, divided by comma. Adding a TSL-Cluster by names or IP addresses is not possible.

Clicking on the info button (1) shows a hint about this procedure.



#### Figure 5.11: Note for adding a TSL-Cluster

There are two ways adding a TSL-Cluster:

- 1. using the button [Add device]
- 2. by entering the serial numbers, which must be separated by commas

### 5.1.3.1 Adding a TSL-Cluster by using the button [Add device]

Please click the [Add device] button.

Group:TSL MaLe +	
Group name: TSL MaLe	Remove group Duplicate group
Members	Tasks Time schedule
Identified by S/N    Serial number(s):	Active
Add device	Task-Order 👿 🔺
	Jownload data - inactive
	active Convert data - inactive
Add	Set time - inactive
	🗓 Delete data - inactive
Remove	Reset trigger counter - inactive
	Update configuration - inactive
	≶ Update firmware - inactive
	Update licenses - inactive
	Download bugreport - inactive

#### Figure 5.12: Button [Add device]

Now select the desired TSL-Cluster and click on the [Add] button.

🕻 Select data logger				23
Name	IP	Connec	s/N	S
	10.23.224.202		1005960	
🗉 👽 MaLe_TSL_gruen (3)				
Test_bPRemote	10.23.224.208		1005564	
		Add	Can	cel

#### Figure 5.13: Selecting a TSL-Cluster

The members of the TSL-Cluster are then displayed with their serial numbers and the TSL icon in the list.

Members
Identified by S/N 👻
Serial number(s):
Add device
Add
Remove
1001605 1003695 1005568

Figure 5.14: Display of a TSL-Cluster

#### 5.1.3.2 Adding a TSL-Cluster by entering the serial number

The member of a TSL-Cluster can also be added by the serial number of the individual loggers separated by commas.

Identified by S/N	•	
Serial number(s):		
1000775, 1002321, 1002607		
Add 😡		

#### Figure 5.15: Adding a TSL-Cluster via serial number input

The members of the TSL-Cluster appears then with the TSL-icon in the list

1000775 1002321 1002607	
-------------------------------	--

#### Figure 5.16: TSL-Cluster in the list

After the start of the Download Terminal, the data is downloaded from the entire TSL-Cluster.

Telemotive Download Terminal			
Logger: MaLe_TSL_gruen @ IP: 7SL S/N: 7SL Group: TSL MaLe	Download     S7 Downloaded: 65 MB / 114 MB     Open log	<i>®</i> 7%	

Figure 5.17: Shown name of a TSL-Cluster



## 5.1.4 Identified by IP

Devices also can be identified and assigned to a group by their IP address.

The subnet mask is automatically set to the range of the used computer. Otherwise the client wouldn't see the devices too.

1embers
Identified by IP 👻
Serial number(s):
10 . 10 . 10 . 102
Add
Remove
10.10.10.100
10.10.10.101
10.10.10.102

#### Figure 5.18: Identified by IP

### 5.1.5 Terminal IP address

The Telemotive data logger have a feature called "**Telemotive Download Terminal**" which allows to connect several logger to one computer system for configuration, downloading or other features without the need to modify the network settings of each data logger.

For this feature every data logger has a second, fixed IP address in the subnet 10.1.X.Y which can be contacted by the Telemotive System Client.

#### Attention:

# To use this option your computers network port has to be set to the fixed IP address 10.1.255.254 and subnet mask 255.255.0.0.

To set this IP address, please go to the specific network connection at **[Properties]** change the IP settings and close the window with **[OK]**.



#### blue PiraT2 / Mini Telemotive Download Terminal - User Guide

Internet Protocol Version 4 (TCP/IPv4)	Properties ? X
General	
You can get IP settings assigned autor this capability. Otherwise, you need to for the appropriate IP settings.	
Obtain an IP address automatical	ly
Ouse the following IP address:	
IP address:	10 . 1 . 255 . 254
Subnet mask:	255.255.0.0
Default gateway:	· · ·
Obtain DNS server address autor	natically
Ouse the following DNS server add	resses:
Preferred DNS server:	
Alternate DNS server:	· · ·
Validate settings upon exit	Advanced
	OK Cancel

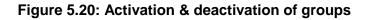
Figure 5.19: Change IP settings

When this is done the Telemotive System Client establishes the connection to the data loggers and the devices can be used. There will be no conflicts while using more than one data logger as DHCP-Server in **Telemotive Download Terminal** mode.

### 5.1.6 Activation & deactivation of groups

Every group can be activated or deactivates separately.

Tasks	Time schedule
<b>v</b>	Active
	Task-Order 💌 🔺



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# 6 Available tasks 💵 🍣 🕓 前 🚥 🌼 差 📰 🕍

Every group can contain a list of tasks which will be executed when a device is recognized by **Telemotive Download Terminal.** You can choose individual which task is needed for every group as well as you can set the order of the tasks. The execution of the tasks has some logical limitations so you can't download data after a firmware upgrade because the upgrade deletes al data.

These limitations are shown in the settings window as notes in red

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When a task is marked in the list, the settings for this task are shown on the right side

Options		×
General Download Conversion Configur	ation Online-Monitor	<b>Q</b> Filter (Ctrl+F)
Group:New +		
Group name: New	Remove group Duplicate group	
Members          Default <ul> <li>This group contains all devices that are not assigned to a group.</li> </ul>	Tasks       Time schedule         Image: Active       Task-Order       Image: Active         Image: Download data - inactive       Image: Active       Image: Active         Image: Download data - inactive       Image: Active       Image: Active         Image: Download data - inactive       Image: Active       Image: Active         Image: Delete data - inactive       Image: Active       Image: Active         Image: Delete data - inactive       Image: Active       Image: Active         Image: Download bugreport - inactive       Image: Active       Image: Active         Image: Download bugreport - inactive       Image: Active       Image: Active	E
		4
		OK Apply Cancel

#### Figure 6.1: The task list

Every single task can be set as active or not active by marking the field [Active].

Download data



blue PiraT2 / Mini Telemotive Download Terminal - User Guide

## 6.1 Download data

Tasks Time schedule	
V Active	
Task-Order 💌 🔺	Download data
🚺 Download data - inactive	C Active
active Convert data - inactive	Target
Set time - inactive	Base directory:
Delete data - inactive	
I Reset trigger counter - inactive	File name format: Offline_%N_%T
🏟 Update configuration - inactive	
≶ Update firmware - inactive	e.g.: Offline_BP2-M-X-123_20150206_162354_20150206_180512.zip
😰 Update licenses - inactive	Download format
👗 Download bugreport - inactive	
	🔘 sorted 🔘 unsorted
	√ as ZIP
	Data selection
	All data     All data
	🔿 Marker data
	Start of data block End of data block
	Start of section
	② 20 sec, before marker ③ 20 sec, after marker
	Next marker or info entry*
	with text:
	* Selection ends at end of section.

Figure 6.2: Task: Download data

For using the data download task it is obligatory to set a base directory first. The field for the base directory is marked in red,

Base directory	

#### Figure 6.3: Note for settings

and additional shown on the bottom of the window.

🕖 Download: Invalid target directory			

#### Figure 6.4: Note at the footer

By using the button it is possible to navigate to the base directory you want to use.

The file name format can be modified by using variables which will be integrated automatically.

Using the specified placeholders you can specify how the offline data set will be stored to your local drive. Device name (%N) and the time span (%T) have to be specified at least once.

Note that you can create subdirectories by entering "/" or "\" to the file name format.

- %D, %d Date, e.g. "[2015-02-06]"
- %N, %n Device name
- %T, %t Start and end time
- %S, %s Device serial number

#### Example:

```
%N\Offline_%T -> Device name\Offline_20150206_154312_20150206_164802.zip
```

#### Note: Take care that you choose a base directory with enough free memory.

Analog to the Telemotive System Client, you can select the download format

Download format			
sorted ourse			
🔽 as ZIP			

#### Figure 6.5: Download format

and the data you want to download.





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## 6.2 Converting data

Tasks Time schedule	
Active Task-Order  Task-Order  Convert data - inactive  Convert data - active  Delete data - inactive  Reset trigger counter - inactive  Update configuration - inactive  Update firmware - inactive  Download bugreport - inactive  Download bugreport - inactive	Target directory:     Create subdirectory with logger name in target drectory     Data selection      All data     Marker data     Start of data block   End of data block      Start of section     Next marker or info entry*         * Selection ends at end of section.
<	

#### Figure 6.7: Task: Convert data

For converting data it is obligatory too to set a target directory in the tab **[General].** It is possible to create a sub directory with the logger name in the target directory to have a better overview about the data.

The data selection options are the same as those offered in the Telemotive System Client.

It is also possible to convert offline data in Telemotive Download Terminal. In this case the data will be downloaded in an earlier task and be converted later. This reduces the time, a device has to be connected to the network.

This option is only available if **[Download data]** is active. If **[Convert offline data]** is activated without **[Download data]** a note is shown.

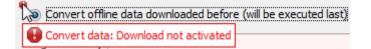


Figure 6.8: Warning when Download is not activated



In the tab [Formats] you can set the target formats for all channels.

ivert data		
Active		
Analog-in	💊 # 1 💿 all channels 🛛 add	import
Analog-in	<u>√</u>	
CAN		
CCP_XCP		
Camera		
Digital-in		
ECL		
Ethernet		
FlexRay		
GPS		
LIN		
MOST150 CTRL		
MOST150 MDP		
MOST150 MEP		
MOST150 STREAM		
MOST25 CTRL		
MOST25 MDP		
Serial		
Signal based filter		
USB		

#### Figure 6.9: Available channels

Here you can choose as well single channels (CAN #1) as well as all channels of one interface (e.g. LIN)

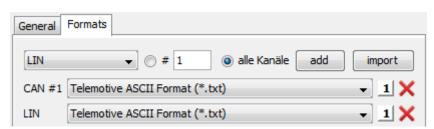


Figure 6.10: channel settings



In Telemotive Download Terminal you can sort data by colour ID into one or different data files like this option is available in the client.

Select Color-ID
Data of channels with the same color assignment is written to a shared output file. If you want to write a separate file per channel select the symbol with "1".
Color value
Color values: 1
Extended
Choosen color id: 1 (separate file) Apply Cancel

#### Figure 6.11: color ID

Over the button it is possible to import settings which were set and exported earlier in the client.

# 6.3 Set time

Tasks Time schedule	
Active	
Task-Order 💌 🔺	Set time
Download data - inactive	Active Active
active Convert data - inactive	Automatic synchronisation of logger time with system time of terminal PC
🕓 Set time - active	
🗓 Delete data - inactive	
🚥 Reset trigger counter - inactive	
🏟 Update configuration - inactive	
≶ Update firmware - inactive	
🗊 Update licenses - inactive	
Download bugreport - inactive	

#### Figure 6.12: Task: Set time

To avoid time differences it is possible to set the time every time the device is connected to Telemotive Download Terminal



# 6.4 Delete data

Tasks Time schedule				
Active Task-Order  Active Download data - inactive Convert data - inactive Set time - inactive Delete data - active Delete data - active Reset trigger counter - inactive Update configuration - inactive Update firmware - inactive	Delete data          Image: Constraint of the spans downloaded before         Omega: Constraint of the spans downloaded before         Automatic data deletion on connected devices.         In case of a prior incomplete data download or data conversion from the device the deletion will be prevented.			
<ul> <li>Update licenses - inactive</li> <li>Download bugreport - inactive</li> </ul>				

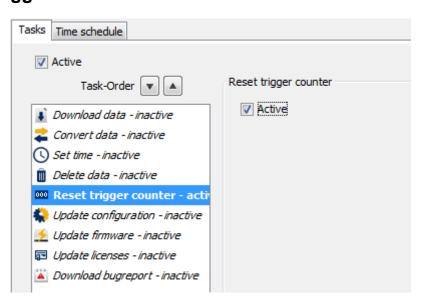
#### Figure 6.13: Task: Delete data

To get free memory space on the device it is possible to delete data on the device. The options are:

- all data
- data downloaded before

In case the data download in an earlier task was not successful, the data will not be deleted.

# 6.5 Rest trigger counter



#### Figure 6.14: Task: Reset trigger counter

It is also possible to reset the trigger counter in Telemotive Download Terminal.



# 6.6 Update configuration 🛸

Tasks Time schedule					
Active	✓ Active				
Task-Order 💌 🔺	Update configuration				
👔 Download data - inactive	Active				
acconvert data - inactive	Configuration of at least one device type must be specified.				
Set time - inactive	Defends and Francisco				
Delete data - inactive	Default configurations				
Reset trigger counter - inactive					
Update configuration - activ	blue PiraT Mini:				
≶ Update firmware - inactive	BCTouch:				
Update licenses - inactive					
Download bugreport - inactive	blue PiraT Remote:				
	TSL:				

#### Figure 6.15: Task: Update configuration

Telemotive Download Terminal can also update configurations of connected devices. You can define firmware packages for:

- blue PiraT2
- blue PiraT Mini
- RCTouch
- blue PiraT Remote
- TSL

For every kind of device a separate configuration can be assigned.

Note: The name of the device will not be changed because in this case all devices in a TSL cluster would get the same name!

## 6.7 Update firmware

Tasks Time schedule				
✓ Active				
Task-Order 💌 🔺	Update firmware			
👔 Download data - inactive	Active Active			
韋 Convert data - inactive	Firmware blue PiraT2:			
Set time - inactive				
🗓 Delete data - inactive	Firmware blue PiraT Mini *:			
🚥 Reset trigger counter - inactive	* RCTouch and blue PiraT Remote devices require blue PiraT Mini firmware pakets to be updated,			
😜 Update configuration - inactive				
🔰 Update firmware - active	Force component update			
🗊 Update licenses - inactive	The terminal checks whether the specified firmware packet is newer than the installed one. If so the firmware will be updated automatically.			
👗 Download bugreport - inactive				

Figure 6.16: Task: Update firmware



The task **[Update firmware]** allows to update the firmware of every kind of devices. In the first step the type, and in the second step the file for the update has to be defined.

Please note that the firmware for **Remote Control Touch** or **blue PiraT Remote** is the same as for **blue PiraT Mini.** 

# 6.8 Update licenses 🛱

Tasks	Time schedule	
<b>V</b>	Active	
	Task-Order 💌 🔺	Update licenses
	Download data - inactive	Active Active
2	Convert data - inactive	License file:
0	Set time - inactive	
<u> </u>	Delete data - inactive	
000	Reset trigger counter - inactive	
🔷 😓 -	Update configuration - inactive	
<u>ب</u>	Update firmware - inactive	
53	Update licenses - active	
<b>×</b>	Download bugreport - inactive	

#### Figure 6.17: Task: Update licenses

When a license for a defined group is available, Telemotive Download Terminal allows updating the license for all members of this group too. For that the license file has to be selected in this field.

## 6.9 Download bugreport 📥

Tasks Time schedule					
Active	Active				
Task-Order 💌 🔺	Download bugreport				
Download data - inactive	Active				
active Convert data - inactive	Only store bug report if a device is currently in error state.				
Set time - inactive					
🗓 Delete data - inactive	Storage path:				
🚥 Reset trigger counter - inactive	Append subdirectory with logger name to storage path				
🏟 Update configuration - inactive	Append subdirectory with IP address to storage path				
≶ Update firmware - inactive					
🗊 Update licenses - inactive					
Download bugreport - activ					

#### Figure 6.18: Task: Download bugreport

When a logger is connected to Telemotive Download Terminal, a bugreport can be downloaded from the logger and saved to a defined directory automatically. There can be set that this only will be done when the device reports an error. Additional a sub folder with the name of the logger or is IP address can be implemented.



## 6.10 Task order

The order of the tasks for a defined group can be set by using the menu at the top of the task list. Mark a task and move it by using the two arrows to the place where it is needed.

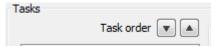


Figure	6 1 9.	Setting	the	Task	order
riguie	0.13.	Setting	uie	rasn	oruer

## 6.11 Saving the group

If all settings are done and correct, the group can be saved by using the button **[OK].** For saving the settings in between, please click on **[Apply]**.



#### Figure 6.20: Saving the group

Note:

The group can't be saved as long as in one of the active tasks an error is shown!

## 6.12 Administrating groups

When a group is saved, it can be duplicated by the button **[Duplicate group]** to create a new group with similar settings and different members.

Groups which will never been used can be deleted by [Remove group].



#### Figure 6.21: Administrating groups

To create a totally new group, please use the button [+] to open one more tab for a new group.

Group: CS	
ľ	v C
Group name	Create new group

Figure 6.22: Creating a new group



## 6.13 Time schedule

When all tasks are defined, a time schedule for the doing can be activated, so that e.g. in a test environment, wher the devices are reachable permanently, the task will be done at specified times only.

Tasks Time schedule							
Time period							
✓ Time scheduling active							
If time scheduling is active, within the stated interval the terminal software acts just as with deactivated time scheduling. That is, every logger detection within the stated interval will lead to a processing of the activated tasks. If a device shall be processed only once per interval, select the appropriate option below.							
Repetition: None 👻							
Start	End						
Day: Fri 05/18/2018	Day: Fri 05/18/2018						
Time: 00:00	Time: 23:59						
Process activated tasks only once per	interval						

#### Figure 6.23: Activating Time schedule

The time schedule can be set to given times and a repetition can be set to **\*None**\*, **\*Daily**\* or **\*Weekly\*.** 

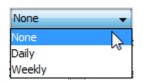


Figure 6.24: setting the repetition

## 7 Starting the Telemotive Download Terminal

The settings window is closing after saving the group and the user sees the terminal window.

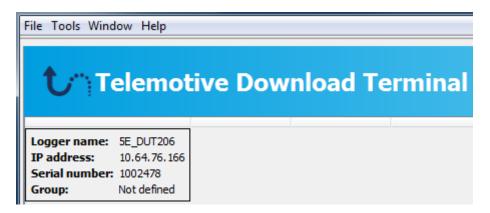
In the upper right corner there's a link to this manual.

F	File Tools Window Help
	Manual <b>?</b> Telemotive Download Terminal Settings Start terminal
	Kompakte Ansicht       Status         all tasks       Image: Compakte Ansicht

#### Figure 7.1: The Terminal window

Ba activating the button Start terminal the terminal is starting and is waiting to identify devices in the network.

Devices without a valid license are not recognized by Telemotive Download Terminal!



#### Figure 7.2: An identified device which is in no group

When Telemotive Download Terminal identifies a device, which is in none of the configured groups, the background of the device information is still grey. The device information shows these information:

- Logger name
- IP address
- Serial number
- Group
- A note, when the device is blocked by another user



blue PiraT2 / Mini Telemotive Download Terminal - User Guide

Logger name:	5E_DUT206
IP address:	10.64.76.166
Serial number:	1002478
Group:	Not defined

#### Figure 7.3: Device information

If there are too many devices in the list the ist can be shown in a compact version where only the logger name and IP address are shown. To activate this option the setting for **[Kompakte Ansicht] I C Kompakte Ansicht** has to be marked.

Logger name:	5E_DUT206
IP address:	10.64.76.166

#### Figure 7.4: Device information - compact view

When a device is recognized by Telemotive Download Terminal and identified as a member of a group, the entired tasks start to run automatically.

The background of the device is shown in green and the configured tasks are shown in the order they will be done.

> Telemotive System Client 2.3	Telemotive System Client 2.3.0.14							
File Tools Window Help								
<b>t</b> ∕ ∵ Telemot	ive Download Te	erminal			Manual 🕜 Settings Stop terminal			
Logger name: CS-bP-2_M150 IP address: 192.168.0.233	Download @	Set time	🗑 Delete data	🚥 Reset trigger	FW-Update			
Logger name: 5E_DUT206 IP address: 10.64.76.166								
< [	m		Stat		/ 🥥 0 / 🔇 0 🛛 Details			

Figure 7.5: Identified from a defined group



#### The eradication of the tasks is shown step by step in the terminal window. If a task is done the background of the task turned into green.

Logger name: IP address:	192.168.0.233	Download     Ø	🕓 Set time	🗓 Delete data	🚥 Reset trigger	FW-Update
Serial number: Group:	1002572 CS	Initialising Open log	Open lo	Open log	Open log	Open log
Logger name: IP address:	CS-bP-2_M150 192.168.0.233	Download	🕓 Set time 🤣	🗓 Delete data	🚥 Reset trigger	FW-Update
Serial number: Group:		Downloaded: 388 kB / 388 kB	In progress Open lo	Open log	Open log	Open log
			0			-
Logger name:		Download	🕓 Set time ⊘	🗓 Delete data 🤣	🚥 Reset trigger	🗲 FW-Update
IP address: Serial number: Group:	192.168.0.233 1002572 CS	Downloaded: 388 kB / 388 kB	Done	In progress		%
Group.	0.5	Open log	Open lo	Open log	Open log	Open log
Logger name:	CS-bP-2_M150	👔 Download 🛛 📀	🕓 Set time 📀	📋 Delete data 🛛 🛞	🚥 Reset trigger 🤣	🛃 FW-Update
IP address: Serial number:		Downloaded: 388 kB / 388 kB	Done	Done	In progress	%
Group:	CS	Open log	Open lo	Open log	Open log	Open log
		Download	🕓 Set time ⊘	🛱 Delete data 🖉	🚥 Reset trigger ⊘	🗲 FW-Update 🛛 🛞
Logger name: IP address:	CS-bP-2_M150 192.168.0.233	Download	Set une 📎	📋 Delete data 🛛 🛞	🔤 Keset trigger 🕥	∑ FW-Update 🖗 0%
Serial number: Group:		Downloaded: 388 kB / 388 kB	Done	Done	Done	Initialization
Group.	0.5	Open log	Open lo	Open log	Open log	Open log
Logger name:	CS-bP-2_M150	👔 Download 📀	🕓 Set time 📀	📋 Delete data 📀	🚥 Reset trigger 📀	🛃 FW-Update 🛛 🛞
IP address: Serial number:		Downloaded: 388 kB / 388 kB	Done	Done	Done	done%
Group:	CS	Open log	Open lo	Open log	Open log	Open log

#### Figure 7.6: The eradication of the tasks

When errors occur during the tasks are processed, the background of the task is marked in red so that errors are shown in an easy way.

Logger name: CS-bP-2_M150	···· ·	🕓 Set time 🔘	📋 Delete data 🛛 🗞	🚥 Reset trigger	🔀 FW-Update
IP address: 192.168.0.233 Serial number: 1002572	Downloaded: 479 kB / 479 kB	Done	In progress	Aborted	%
Group: CS Device occupied by "qi 108 16"	Open log	Open lo	Open log	Open log	Open log

Figure 7.7: Errors in the eradication

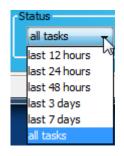
Additional a counter shows the number of tasks which were done including the status:

- I ailed tasks
- Successful tasks
- Operation of the second second



#### Figure 7.8: Status display

The status display can be filtered by several time settings:



#### Figure 7.9: Filtering the status display

Via the button Details an detailed log can be displayed. This Terminal history is divided into 2 parts of the window. On the left side a table of all processed tasks is shown with the last status of every task for every device. By marking one of the devices the complete Terminal log is shown on the right side of the window

ne stamp	Name	s/N	ŧ,	2	0	Ô	000	٠	5	F		Logger: CS-bP-2_M150
6-02-04 17:47:51	CS-bP-2 M150	1002572			$\odot$	$\bigcirc$	$\bigotimes$	-	Co)	-	-	Group: CS
6-02-04 17:47:51	5E DUT206	1002478		-		-	-	-	-	-		5/N: 1002572
.0-02-04 17.47.51	JE_001200	1002478		-	<u> </u>	-	-	-	-	-		Connected: 2016-02-04 17:47:51
												Disconnected: n/a
												Log:
												2016-02-04 17:47:57 Time synchronization: Task starte
												2016-02-04 17:48:03 Time synchonization successfull
												2016-02-04 17:48:03 Synchronizing done
												>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>
												2016-02-04 17:48:04 Delete data
												2016-02-04 17:48:08 Data successfully deleted
												2016-02-04 17:48:08 Data successfully deleted 2016-02-04 17:48:08 Data deletion done
												2016-02-04 17:48:08 Data deletion done

Figure 7.10: Terminal history



These log files can help to see exactly what happened to every device and if there were problems in the processing of the tasks.

Logger:	CS-bP-2_M150
Group:	CS
5/N:	1002572
Connected:	2016-02-04 17:47:51
Disconnected	l: n/a
Log:	
>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>	>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>
2016-02-04	17:47:57 Time synchronization: Task started
2016-02-04	17:48:03 Time synchonization successfull
2016-02-04	17:48:03 Synchronizing done
>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>	*****
2016-02-04	17:48:04 Delete data
2016-02-04	17:48:08 Data successfully deleted
2016-02-04	17:48:08 Data deletion done
	>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>
2016-02-04	17:48:09 Reset trigger counter: Task started
2016-02-04	17:48:11 Reset trigger counter successfull

#### Figure 7.11: Look at the log

The whole terminal history can be deleted by the menu [Edit] to get a better overview of the tasks which were done at last.

You can choose even if all entries should be deleted by using => [Delete entire history] or define a special time for entries which are older than:

Terminal history							
Edit							
Delete entire history							
Delete entries	older 3 days						
2010-05-04 11:41:51 254	older 1 week						
2016-02-04 17:47:51 5E_	older 2 weeks						
	odler 3 weeks						
	older 4 weeks						
	older 1 year						
	user defined						

#### Figure 7.12: deleting the Terminal history

Under the point **[user defined]** it is possible to set a exact date to delete all logs which are older than this date.

The Telemotive Download Terminal can be stopped by the button

To go back to the **Telemotive System Client** view, use **[Tools]** and unmark the entry **[Telemo-tive Download Terminal]** 



#### blue PiraT2 / Mini Telemotive Download Terminal - User Guide

## 8 Abbreviations

Kürzel / abbreviation	Bedeutung / meaning
blue PiraT	Processing Information Recording Analyzing Tool
bP	blue PiraT
bP2	blue PiraT2
bP2 5E	blue PiraT2 5E
bPMini	blue PiraT Mini
RC Touch	Remote Control Touch
bP Remote	blue PiraT Remote
A2L	ASAM MCD-2 MC Language
AE	Automotive Electronics
ACK	ACKnowledged
CAN	Controller Area Network
ССР	CAN Calibration Protocol
CF	Compact Flash
CRO	Command Receive Object
DAQ	Data Acquisition
DTO	Data Transmission Object
ECL	Electrical Control Line
ECU	Electronic Control Unit
FIBEX	Fleld Bus Exchange Format
FW	Firmware
GMT	Greenwich Mean Time
INCA	INtegrated Calibration and Application Tool
LAN	Local Area Network = Netzwerk
LIN	Local Interconnect Network
MAC	Media Access Control
MCD	Measure Calibrate Diagnose
MDX	Meta Data EXchange Format
MEP	MOST Ethernet Packet
MOST	Media Oriented Systems Transport ( <u>www.mostnet.de</u> )
ODT	Object Descriptor Table
ODX	Open Data EXchange
OEM	Original Equipment Manufacturer



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PHY	PHYsical Bus Connect
PW	Passwort
RX	Receiver Data
SD	Secure Digital
SFTP	Secure File Transfer Protocol
SHA	Secure Hash
SSL	Secure Sockets Layer
TCP/IP	Transmission Control Protocol/Internet Protocol
TLS	Transport Layer Security
TMP	Telemotive Packetformat
TSL	Telemotive System Link
UDP	User Datagram Protocol
USB	Universal Serial Bus
UTC	Universal Time, Coordinated
Wi-Fi	Wireless Fidelity
WLAN	Wireless Local Area Network
ХСР	Universal Measurement and Calibration Protocol

Table 8.1: Abbreviations

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