

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

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blue PiraT2 / Mini Telemotive Download Terminal - User Guide

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# 3 Overview

This user guide describes the feature of the license **Telemotive Download Terminal** for the data loggers

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

of Telemotive AG

The Terminal mode in 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.

The client software was only tested with Microsoft<sup>®</sup> Windows<sup>®</sup> 7.

This document refers to **firmware version 02.04.01** and the **Telemotive System Client** from **version 2.4.1.** 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.

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# 4 System requirements

#### **Control Unit**

A Windows based Laptop or PC is needed to configure the devices of Telemotive AG 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 of Telemotive AG. 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	
CS_bP2_10036		Remote Control Touch manual	
📇 CS_bPR_10057		blue PiraT Remote manual	E
CS_RCT_10060		Info	-

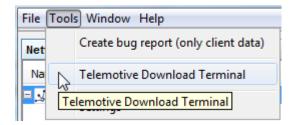
#### Figure 4.1: links to the manuals

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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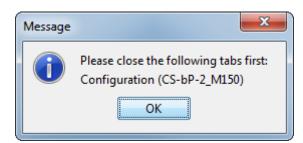
# 5 Starting Telemotive Download Terminal

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



#### 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 Termin	Manual 🕐						
🛞 Settings	<u> </u>						
General Download Conversion Configuration OnlineMonitor	C Filter (Ctrl+F)						
+ Create new group Terminal configuration To be processed through the terminal software a logger must be assigned to a detected devices will be processed. The loggers are assigned to a group either Furthermore it is possible to create a "default" group that defines settings for a	by their serial number or by their configured logger name.						
	OK Cancel						
Kompakte Ansicht	Status all tasks 🗸 🕢 0 / 🥥 0 / 🔘 0 Details						
🗗 🐻 Output							

### Figure 5.3: Starting Telemotive Download Terminal

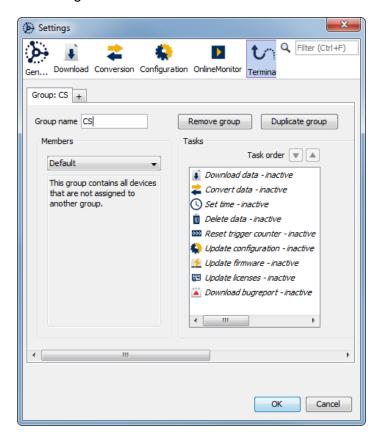
and opens automatically the settings window when it starts the first time.

> Settings						×
<u>بة</u>	۰.	*			th	۹ 🗌
General	Download	Conversion	Configuration	OnlineMonitor	Terminal	
+						
Create n	ew group					
Termina	l configurat	tion				
settings can a group eith	be applied that er by their seria	t define how th al number or by	e detected devi their configured		ssed. The logg urthermore it i	ers are assigned to s possible to create
					(	DK Cancel

#### Figure 5.4: Settings for Telemotive Download Terminal

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

Create new group to



#### 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

Members	
Default	<u>,</u>
Default	7
Identified by name	
Identified by S/N	
Identified by IP	

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

### 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 5.7: 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 Terminal mode identifies this device.

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

 Add
 into the list.

By clicking Remove devices can be removed from the list.



### 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.

Identif	ied by name	•
Condition		
Name starts with		
Name contains		
١	Name is	
.ogger	names	
.ogger		
ogger	names Add Remove	
	Add	
.ogger CS Test	Add	

#### Figure 5.8: Members: identified by name

### 5.1.3 Identified by S/N

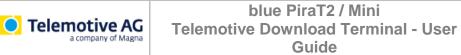
Members can be identified by their serial number too.

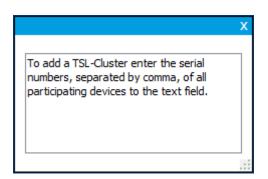
Members	
Identified by S/N	•
Serial number(s):	
Add	
Remove	
1000775	

#### Figure 5.9: Members: identified by S/N

Note:

A TSL-Cluster can be added by typing all serial numbers of the TSL into the field, divided by comma.





#### Figure 5.10: Note for adding a TSL-Cluster

a company of Magna

When all members of the TSL are typed into the field and added,

Identified by S/N 👻				
Serial number(s):				
1000775, 1002321, 10	02607			
Add	2			

#### Figure 5.11: Adding a TSL-Cluster

They are shown in the list as TSL-Cluster

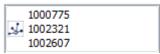


Figure 5.12: TSL-Cluster in the list

### 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.

1embe	rs			
Ident	tified by IP 👻			
Serial number(s):				
10	. 10 . 10 . 102			
	Add			
	Remove			
10.10	). 10. 100			
10.10	. 10. 101			
10.10	. 10. 102			
L				

Figure 5.13: Identified by IP

### 5.1.5 Terminal IP address

The Telemotive data logger have a feature called "Terminal mode" 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]**.



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Internet Protocol Version 4 (TCP/IPv4)	Internet Protocol Version 4 (TCP/IPv4) Properties						
General							
You can get IP settings assigned automatically if your network supports this capability. Otherwise, you need to ask your network administrator for the appropriate IP settings.							
Obtain an IP address automatically							
Ouse the following IP address:							
IP address:	10 . 1 . 255 . 254						
Subnet mask:	255.255.0.0						
Default gateway:							
Obtain DNS server address autom	natically						
Ose the following DNS server add	resses:						
Preferred DNS server:	Preferred DNS server:						
Alternate DNS server:							
Validate settings upon exit Advanced							
	OK Cancel						

Figure 5.14: 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 Terminal mode.

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# 6 Available tasks

Every group can contain a list of tasks which will be executed when a device is recognized by Terminal mode. 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

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

( Settings	
General Download Conversion Configuration OnlineMonitor	Filter (Ctrl+F)
	ninal
< >	
	OK 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

Active



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### 6.1 Download data

asks Task order 💌 🔺	Download data
🚺 Download data - active	Active
<ul> <li>Download data - active</li> <li>Convert data - inactive</li> <li>Set time - inactive</li> <li>Delete data - inactive</li> <li>Reset trigger counter - inactive</li> <li>Update configuration - inactive</li> <li>Update firmware - inactive</li> <li>Update licenses - inactive</li> <li>Download bugreport - inactive</li> </ul>	✓ Active   Target   Base directory   File name format Offline_%N_%T   e.g.: Offline_BP2-M-X-123_20150206_162354_20150206_180512.zip   Download format   ③ sorted ④ unsorted   ✓ as ZIP   Data selection   ④ All data   ④ Marker data   Start of data block   End of data block   ③ Start of section   ④ Start of section   ④ 20   Sec. before marker   ④ Next marker or info entry
4 III +	

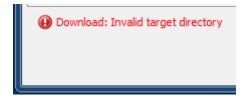
Figure 6.2: Task: Download data

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	P	1
		-

### Figure 6.3: Note for settings

and additional shown on the bottom of the window.





#### 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.

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# 6.2 Convert data

Task order       Image: Convert data - inactive         Convert data - active         Set time - inactive         Delete data - inactive         Delete data - inactive         Reset trigger counter - inactive         Update configuration - inactive         Update firmware - inactive         Update licenses - inactive         Download bugreport - inactive	Convert data  Active  Ceneral Formats  Convert data from device  Convert offline data downloaded before (will be executed last)  Target directory  Create subdirectory with logger name in target drectory  Data selection  All data  Marker data  Start of data block  Start of section  Call of secti
۰ III	

#### Figure 6.5: 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.

As in the Telemotive System Client you can choose if you want to download:

- All data
- Marker data

The start and end of a data block can be configured too.

It is also possible to convert offline data in Terminal mode. 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.

G	Convert offline data downloaded before	e (will be executed last)
0	Convert data: Download not activated	

#### Figure 6.6: Warning when Download is not activated

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

Active				
General Formats				
CAN	• # 1	🔘 alle Kanäle	add	import
CAN	<u>ک</u>			
LIN				
Serial				
Ethernet				
FlexRay				
MOST25 CTRL				
MOST25 MDP				
MOST25 SYNC				
MOST 150 CTRL				
MOST150 MDP				
MOST150 MEP				
MOST 150 STREAM				
Analog-in				
Digital-in				
Camera				
CCP_XCP				
GPS				
ECL				
Signal based filter				
USB				

#### Figure 6.7: Available channels

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

General	Formats
LIN	
CAN #1	Telemotive ASCII Format (*.txt)
LIN	Telemotive ASCII Format (*.txt)

Figure 6.8: channel settings

In Terminal mode 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 6.9: 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	
Task order 💌 🔺	Set time
Jownload data - inactive	Active
a 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	
差 Update firmware - inactive	
🗊 Update licenses - inactive	
Download bugreport - inactive	
4	

#### Figure 6.10: Task: Set time

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



# 6.4 Delete data

asks Task order 💌 🔺	Delete data
Download data - inactive Convert data - inactive Set time - inactive Delete data - active Reset trigger counter - inactive Update configuration - inactive Update firmware - inactive Update licenses - inactive Download bugreport - inactive	<ul> <li>Active</li> <li>all data</li> <li>data downloaded before</li> <li>Automatic data deletion at connected devices. In case of a prior incomplete data download or data conversion from the device the deletion will be prevented.</li> </ul>

#### Figure 6.11: 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

Task order 💌 🔺	Reset trigger counter
Download data - inactive	V Active
韋 Convert data - inactive	
Set time - inactive	
🗓 Delete data - inactive	
🚥 Reset trigger counter - acti	
Dpdate configuration - inactive	
差 Update firmware - inactive	
Update licenses - inactive	
Download bugreport - inactive	

#### Figure 6.12: Task: Reset trigger counter

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



# 6.6 Update configuration

Task order 💌 🔺	Update configuration
Download data - inactive	C Active
Convert data - inactive	Configuration of at least one device type must be specified.
Set time - inactive	
Delete data - inactive	Default configurations
Reset trigger counter - inactive	blue PiraT2
Update configuration - activ	
Update firmware - inactive	blue PiraT Mini
Update licenses - inactive	RCTouch
Download bugreport - inactive	
	TSL
	TSL

#### Figure 6.13: Task: Update configuration

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

- blue PiraT2
- blue PiraT Mini
- RCTouch
- TSL

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

### 6.7 Update firmware

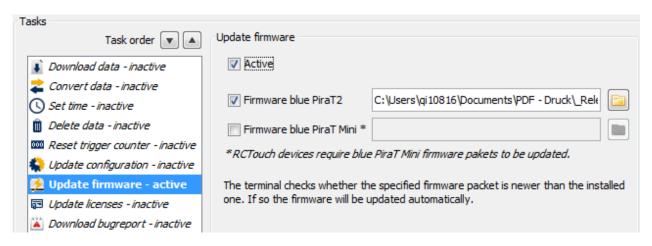


Figure 6.14: Task: Update firmware

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 **blue PiraT Remote** or **Remote Control Touch** is the same as for **blue PiraT Mini.** 



# 6.8 Update licenses

Tasks	
Task order 💌 🔺	Update licenses
Download data - inactive	C Active
a Convert data - inactive	License file
Set time - inactive	
🗓 Delete data - inactive	
🚥 Reset trigger counter - inactive	
🛟 Update configuration - inactive	
≶ Update firmware - inactive	
Update licenses - active	
Download bugreport - inactive	
4	

#### Figure 6.15: Task: Update licenses

When a license for a defined group is available, Terminal mode 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  Task order  Task order	Download bugreport          Image: Active         Image: Doly store bug report if device is currently in error state.         Storage path         Image: Append subdirectory with logger name to storage path         Image: Append subdirectory with IP address to storage path
Download bugreport - active	

#### Figure 6.16: Task: Download bugreport

When a logger is connected to Terminal mode, 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.

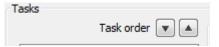
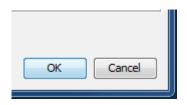


Figure	6 17.	Setting	tho	Task	ordor
rigure	0.17.	Setting	uie	ιαοκ	oruer

## 6.11 Saving the group

If all settings are done and correct, the group can be saved by using the button [OK].



#### Figure 6.18: 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 6.19: Administrating groups

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

Group: CS	
	~5
Group name	Create new group

Figure 6.20: Creating a new group



# 7 Starting the terminal mode

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

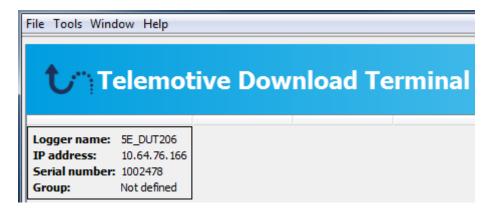
In the upper right corner there's a link to this manual.

File Tools Window Help		
<b>t</b> Telemotive	Download Terminal	Manual 🕢
4		
Kompakte Ansicht	Status all tasks 🗸	● 0 / ⊘ 0 / ② 0 Details

#### Figure 7.1: The Terminal window

Ba activating the button Start 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 Terminal mode 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

Logger name:	
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 Mompakte 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 Terminal mode 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 2.3.0.14							
File Tools Window Help							
<b>℃</b> n Telemot	tive 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							
<ul> <li>✓ Kompakte Ansicht</li> </ul>	m		sta		/ 📀 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	<u> Delete</u> data	🚥 Reset trigger	FW-Update
Serial number: Group:	1002572 CS	Initialising 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:	192.168.0.233 1002572	Downloaded: 388 kB / 388 kB	In progress			%
Group:	CS	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	In progress		%
Group:	CS	Open log	Open lo	Open log	Open log	Open log
Logger name:	CS-bP-2 M150	Download Ø	🕓 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
					_	
Logger name: IP address:	CS-bP-2_M150 192.168.0.233	Download	🕓 Set time ⊘ Done	🗓 Delete data 📀 Done	🚥 Reset trigger ⊘ Done	FW-Update 🍪
Serial number: Group:	1002572 CS	Downloaded: 388 kB / 388 kB				Initialization
		Open log	Open lo	Open log	Open log	Open log
			,,			
Logger name:	- 1	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	Done	Done	done%
Group.	03	Open log	Open lo	Open log	Open log	Open log

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

Open log...

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.

Open lo...

Open log...

Open log...

Open log...

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:

- **1** failed tasks
- Successful tasks
- Operation of the second second



#### Figure 7.8: Status display

The status display can be filtered by several time settings:

٢	tatus	
	all tasks	$\overline{\mathbf{N}}$
L	last 12 hours	45
	last 24 hours	
	last 48 hours	
	last 3 days	
	last 7 days	
	all tasks	

#### 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

Time stamp	Name	s/N	ŧ,	2	0	Ô	000	٠	5	F		Logger: CS-bP-2_M150
016-02-04 17:47:51	CS-bP-2_M150	1002572			0	0	$\odot$		¢,	-	-	Group: CS
016-02-04 17:47:51		1002478		-	-		-	-	-	-	-	5/N: 1002572
10-02-04 17:47:51	3E_001200	1002478		-	- 1	-	-	-	-	-	- 1	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 deletion done
												>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>
												2016-02-04 17:48:09 Reset trigger counter: Task start
												2016-02-04 17:48:11 Reset trigger counter successfull

#### 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	: 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		
2010-02-04 17:47:51 254	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 Terminal mode can be stopped by the button

To go back to the **Telemotive System Client** view, use **[Tools]** and unmark the entry **[Termi-nal mode]** 



#### 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



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

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
ТМР	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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