



**Desktop Mobile**

**User Manual  
addendum**

## Contents

1. Introduction	3
2. List of changes	4
3. List of menu functions	5
4. Commands	6
5. Remote commands	8
6. Correction to user manual	9

- **Introduction**

This addendum describes enhancements to the Burnside Desktop Mobile (DTM) in firmware version 2.06 and 3.0 and above. Only new features and changes are described here. For all other functions and menu items, please refer to the existing user manual part number 362002 Rev 5.

## ● List of changes

1. A volume boost facility has been added to improve the use of the product in noisy environments. Particularly call centres or for the hard of hearing.
2. A tariff monitoring facility has been added which will allow the user to make best use of GSM network tariffs which include a set number of minutes for a fixed monthly charge. A variety of options are provided.
3. A new setting has been added to control the use of recall/flash-hook. The default setting is to ignore recall/flash-hook. Note that when recall/flash-hook is disabled, facilities such as accepting call-waiting and multiparty calls will not be available.
4. The GPS facilities have been removed. To make use of a connected GPS receiver, use firmware prior to version 3.0.

## ● **Menu Functions**

- 1. Phone book**
  - 1.1. Search
  - 1.2. Add entry
  - 1.3. Edit
  - 1.4. Status
  - 1.5. Erase
    - 1.5.1. Single entry
- 2. Messages**
  - 2.1. Write message
  - 2.2. In box
  - 2.3. Out box
  - 2.4. Message Settings
- 3. Call register**
  - 3.1. Missed calls
  - 3.2. Received calls
  - 3.3. Dialed numbers
  - 3.4. Erase call list
  - 3.5. Show durations
  - 3.6. Show GPRS log
  - 3.7. Clear GPRS log
  - 3.8. **Tariff timer functions**
    - 3.8.1. **View time used**
    - 3.8.2. **Set new tariff limit**
    - 3.8.3. **Action taken at time limit**
      - 3.8.3.1. **Set to no action**
      - 3.8.3.2. **Set to alert only**
      - 3.8.3.3. **Set to busy tone**
      - 3.8.3.4. **Set to open loop**
      - 3.8.3.5. **Status**
    - 3.8.4. **Method for timer reset**
      - 3.8.4.1. **Set to manual**
      - 3.8.4.2. **Set to automatic**
      - 3.8.4.3. **Day of reset**
      - 3.8.4.4. **Reset now**
      - 3.8.4.5. **Status**
- 4. Call divert**
  - 4.1. Divert all
    - 4.1.1. Activate
    - 4.1.2. Cancel
    - 4.1.3. Status
  - 4.2. Divert when busy
    - 4.2.1. Activate
    - 4.2.2. Cancel
    - 4.2.3. Status
  - 4.3. Divert no answer
    - 4.3.1. Activate
    - 4.3.2. Cancel
    - 4.3.3. Status
  - 4.4. Divert when off
    - 4.4.1. Activate
    - 4.4.2. Cancel
    - 4.4.3. Status
  - 4.5. Cancel divers

## **5. Settings**

- 5.1. Terminal settings
  - 5.1.1. Display contrast
  - 5.1.2. Security settings
    - 5.1.2.1. SIM PIN state
    - 5.1.2.2. Change SIM PIN
    - 5.1.2.3. Terminal PIN state
    - 5.1.2.4. Change term PIN
    - 5.1.2.5. Auto SIM unlock
  - 5.1.3. Service Settings
    - 5.1.3.1. Signal test
    - 5.1.3.2. Show voltage
    - 5.1.3.3. Show temperature
  - 5.1.4. Restore factory settings
- 5.2. Phone settings
  - 5.2.1. My number sending
    - 5.2.1.1. Activate
    - 5.2.1.2. Cancel
    - 5.2.1.3. Status
  - 5.2.2. Dial delay
  - 5.2.3. Alert settings
    - 5.2.3.1. Ringing cadence
    - 5.2.3.2. Ring for new message
  - 5.2.4. CLI type
  - 5.2.5. Allow reject.
  - 5.2.6. **Change volume**
  - 5.2.7. **Allow recall/flash**
    - 5.2.7.1. **Activate**
    - 5.2.7.2. **Cancel**
    - 5.2.7.3. **Status**
- 5.3. Network settings
  - 5.3.1. Network selection
    - 5.3.1.1. Auto
    - 5.3.1.2. Manual
  - 5.3.2. Call waiting
    - 5.3.2.1. Activate
    - 5.3.2.2. Cancel
    - 5.3.2.3. Status
- 5.4. Data settings
  - 5.4.1 Baud rate
- 5.5. Input/Output settings
  - 5.5.1. Channel 1
    - 5.5.1.1. Polarity
    - 5.5.1.2. Input or Output selection
    - 5.5.1.3. Text to send
    - 5.5.1.4. Test connection
  - 5.5.2. Channel 2
    - 5.5.2.1. Polarity
    - 5.5.2.2. Voltage level
    - 5.5.2.3. Text to send
    - 5.5.2.4. Test connection
- 5.6. Set clock

## **6. Terminal mode**

- 6.1. Lock outgoing calls
- 6.2. Monitor inputs
- 6.3. Disconnect from network

## **7. Help**

\* **New items in blue**

## **Call register - 3**

The unit registers missed, received and dialled numbers.

The call register also allows users to enter details of the relevant “included minutes” network tariff and to specify the action to be taken when the limit is reached. This enables users to achieve cost savings.

If a new SIM is installed or a SIM is changed for a different one, the tariff action setting is set to “no action”, see 3831 below, and the tariff timer is reset.

### ***Tariff limit functions - 38***

These functions allow details of call time tariffs (“included minutes”) and actions to be taken when limits are reached to be configured.

#### ***View time used - 381***

This selection shows the number of minutes used since the tariff time count was reset.

#### ***Set new tariff limit - 382***

This sets the number of minutes available for the tariff that applies to the installed SIM/contract. The maximum supported is 99,999 minutes.

#### ***Action taken at time limit - 383***

This group of selections control the response on reaching the tariff time limit. When the time limit is reached and an SMS is required to be sent to a specified phone, the sensor channel 1 facility is used. For example, enter “Burnside PBX line 5” then the phone number into Channel 1 “text to send” location. Menu item 5513 (see page 25 of the user manual).

##### ***Set to no Action - 3831***

The DTM takes no action when the tariff time count exceeds the tariff limit.

##### ***Set to alert only - 3832***

The display will show the number of minutes remaining or exceeded. When the limit is reached, an SMS can be sent to the number specified (see above).

##### ***Set to busy tone - 3833***

A busy tone is output and the DTM will only accept outgoing emergency calls. Menu item can still be accessed. An SMS can be sent (see above).

##### ***Set to open loop - 3834***

The DTM puts the telephone line into an open circuit condition (no voltage) and an SMS alert can be sent (see above).

This mode is typically used when the DTM is connected to a PBX trunk line. The user interface will no longer be accessible in this mode. To remove the open loop condition, either send an SMS command (See page 8) or temporarily remove power. When power is restored, the DTM will no longer be in open loop and the menu functions will be accessible to reset the tariff timer or change the action. If no changes are made, one more call can be made but when the call is ended the line will return to open loop. Incoming calls will ring as normal and can be answered. At the end of the call the line will return to open loop.

### **Show status - 3835**

Show the current “action taken” setting.

### **Method for timer reset - 384**

This group of selections control the resetting of the minutes timer.

#### **Set to manual - 3841**

This sets the reset method to manual. Once in this mode, the timer is reset either by menu selection 3844 or by SMS command. See page 8.

#### **Set to automatic - 3842**

This sets the reset method to automatic. The timer will be reset each new month at the start of the day specified in menu 3843.

#### **Day of reset - 3843**

Specify the day of month from which a new tariff timer starts. The default is the 1<sup>st</sup> day of the month. This is used for automatic timer reset, see menu 3842.

#### **Reset now - 3844**

Reset the timer now. This is also possible via SMS command. See page 8.

#### **Status - 3845**

Show the current setting for timer reset.

## **Settings - 5**

### **Change volume - 526**

This provides three increased levels of volume to be selected.

### **Allow recall/flash - 527**

This selection controls the use of recall/flash-hook. In-call functions such as accepting call waiting calls, multiparty calls and other functions require the use of recall/flash-hook.

#### **Activate - 5271**

Recall/flash-hook is accepted and in-call functions can be used.

#### **Cancel - 5272**

Recall/flash-hook is ignored

#### **Status - 5273**

This shows the current setting.

- **Remote commands**

A remote command is an SMS message sent to the DTM with the terminal PIN in the first 4 positions of the message followed by a command. For example: **1234 tariff** will cause the terminal to return the tariff timer status to the number that sent the command. The use of the space character after the PIN is optional and only the first two characters of the commands are required. Also upper and lower case are acceptable. For example **1234tA** will also be interpreted as the tariff command.

#### **New commands**

**TARIFF** - This will return the current tariff time and limit.

**RESET** - This will reset the tariff timer to 0.

**ALERT** - This will set the tariff action to alert only and if currently open-loop or busy, it will restore operation of the DTM.

In all cases the terminal will respond by sending an SMS to the number that sent the command. The response is either the status that will show the affect of a command such as **RESET** or an error message if the command is not recognised. It is not possible to guarantee that an SMS message will be delivered by the network immediately or, in rare cases, at all. That is why the terminal always sends a reply to acknowledge the command and make it clear what state the terminal is in. Generally the terminal will respond very quickly as most messages are received without delay.

See page 22 of the user manual for information on other commands.

- **Correction to user manual rev5**

Section 23 Appendix page 34

**Phone number presentation**

\*31#<phone number>

Force sending CLI

#31#<phone number>

Suppress sending CLI

END

Burnside Telecom Ltd  
Burnside House  
Isington  
ALTON  
GU34 4PP  
United Kingdom

Tel/Fax: +44 (0)8 700 762 766  
Email: [info@burnsidetelecom.com](mailto:info@burnsidetelecom.com)  
Web: [www.burnsidetelecom.com](http://www.burnsidetelecom.com)