

# A guide to accessible mobile phones

## Autumn 2009

**Summary:** This guide contains information about accessible mobile phones that are available from RNIB for blind and partially sighted people. If you are looking for a mobile phone with more advanced features such as the internet, email, music and video then please read our Mobile phone software factsheet (product code TC21266).

If you have any further questions, or would like more information about the products highlighted in the guide, contact our dedicated **Technology Information and Support Team** on **0845 900 0015** or **020 7391 2280** or email [ict@rnib.org.uk](mailto:ict@rnib.org.uk)

### **SIM cards**

All mobile phones are supplied ready to use straight out of the box with a battery, battery charger, in ear headset and a Pay As You Go SIM card. All our phones are "unlocked" which enables SIM cards from any network provider to be used, with the exception of cards from "network 3" which will not work in any. All phones are dual band GSM unless stated as tri-band. Dual band phones are suitable for use in most European countries whereas tri-band are also suitable for use in North America.

### **Emergency call button**

Many of the phones feature an emergency call button where the phone will automatically contact a personalised list of numbers in an emergency. Simply programme up to five important numbers and when you press and hold the emergency button the phone will automatically send a text message to each of the numbers, then begin dialling each number in turn until the call is answered.

### **Hearing aid compatibility**

Where a phone is compatible with hearing aids, the level of Hearing Aid Compatibility (HAC) is split into an "M" rating (microphone) and a "T" rating (Telecoil) and range from one (poor) to four (excellent).

Please note: Prices are correct at time of publishing, please call for latest pricing and availability. Standard rate VAT is 15% on all VAT inclusive prices. The images in this document are for illustration purposes only and are not actual size.

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# 1. Easy-to-use mobile phones

## Doro HandlePlus 334

Designed to make receiving calls and telephoning up to four telephone numbers as easy as possible. It has four speed dial buttons that we programme for you to call a number at the touch of a button, which can also be changed at a later date. There is even space next to each of the buttons so you can write names alongside. This phone cannot receive or send text messages or call numbers that are not programmed as one of the four speed dials.

- the dark grey screen displays white characters in 16 point (4mm)
- the large, raised black buttons have minimum 16 point white text
- the accept call and end call buttons are green and red with black symbols, all of which contrast well against the white phone case
- easy-to-use volume control and built-in hands free speaker phone
- dedicated keypad lock button
- emergency call button
- SOS button. As this phone does not have a number keypad, there is also a dedicated button pre-programmed to 112 to enable a call to be made to the emergency services
- 10 polyphonic ring tones and vibrate alert
- tri-band GSM mobile phone
- standby time up to 280 hours and talk time up to 180 minutes
- HAC compatible, rated M3/T3
- includes a desk stand to make charging the battery simple and easy



**Dimensions:** Width 5.2cm, length: 12.5cm, depth: 1.6cm. Weight: 99 grams.

**[Doro HandlePlus 334 mobile phone](#), product code HM19**

**Priced £100.00 ex VAT, £117.50 inc VAT**

### **Optional extras for Doro HandlePlus 334**

Black leather case, product code HM23 priced £16.63 inc VAT

Spare mains charger, product code HM28, priced £14.67 inc VAT

Spare rechargeable battery, product code HM27, priced £29.36 inc VAT

## Doro HandleEasy 326i

This simple to use mobile phone has been designed just to make and receive telephone calls. It has raised buttons with large print numbers. The combination of easy-to-read, well spaced buttons and simple operation makes this phone one of the easiest to use mobile phones on the market. This phone cannot receive or send text messages.

- the dark grey screen displays characters in bold white 20 point font (5mm)
- large well spaced number keypad has 1cm black buttons with bold white numbers in 24 point font (6mm)
- located below the screen are four speed dial buttons so you can call your favourite numbers at the push of a button. The four black speed dial buttons are labelled in bold white text; A, B, C and D.
- store up to 20 additional names and numbers in the phonebook
- easy-to-use volume control and built-in hands free speaker phone
- keypad lock
- nine polyphonic ring tones and vibration alert
- dual band GSM mobile phone
- standby time of up to 160 hours and talk time of up to 140 minutes



**Dimensions:** Width 5.8cm, length: 13.5cm, depth: 1.6cm. Weight: 111 grams.

**Doro HandleEasy 326i mobile phone, product code HM12X**

**Priced £95.65 ex VAT, £110.00 inc VAT**

### **Optional extras for Doro HandleEasy 326i**

Black leather case, product code HM12E, priced £16.63 inc VAT

Spare mains charger, product code HM29, priced £14.67 inc VAT

Spare rechargeable battery, product code HM12Y, priced £24.46 inc VAT

## Doro PhoneEasy 338

This tri-band mobile phone has similar functionality to the EasyUse. It is simple and easy-to-use and is designed primarily for phone calls but you can also receive and read SMS text messages.

- high contrast dark grey screen displays bold white numbers in 24 point font (6mm)
- it has large, raised, black keypad buttons with large print white numbers in 26 point font (6mm) which contrast against the white case
- read text messages in 16 point font (4mm) and call the sender by simply pressing the large green call button. Please note that you cannot reply by text message using this phone. The text message feature can be disabled to further simplify the operation of this phone
- located below the screen are three speed dial buttons for easy access to three main contacts; friends, family or emergency call numbers.
- dedicated phonebook button to access your list of contact names easily and store up to 50 contact numbers and names
- easy-to-use volume control and built-in hands free speakerphone
- ten polyphonic ring tones and vibration alert
- emergency call button (see factsheet introduction for more information)
- standby time up to 280 hours and talk time of up to 180 minutes
- supplied with desk charging stand making recharging easier



**Dimensions:** Width 5cm, length: 12.8cm, depth: 1.6cm. Weight: 99 grams.

**[Doro PhoneEasy 338 mobile phone](#), product code HM17**

**Priced £86.96 ex VAT, £100.00 inc VAT**

### **Optional extras for the Doro PhoneEasy 338**

Black leather case, product code HM23 priced £16.63 inc VAT

Spare mains charger, product code HM28, priced £14.67 inc VAT

Spare rechargeable battery, product code HM27, priced £29.36 inc VAT

## Amplicom M5000

This mobile phone has been designed specifically for people who have either a sight or hearing problem. It has large white numbers on black buttons which light up when pressed making them easy-to-see. For people with a hearing problem the integrated induction coil means it is fully compatible with a hearing aid. It has an extra loud speaker to help you to hear the phone ringing and hear your conversation more clearly.



- high contrast white screen displays black numbers in 28 point font (7mm). The menus and contacts names in the phonebook are displayed in 24 point font (6mm) and call lists and typed telephone numbers are shown in 26 point font (7mm)
- black keypad buttons with large print light grey numbers in 20 point font (5mm)
- read text and write messages in 12 point font (3mm)
- hearing aid compatible with integrated induction coil and a M3/T3 rating. It has an earpiece volume up to 23 decibels and to alert you of an incoming call it has a loud speaker which produces up to 100 decibels
- three speed dial buttons for quick access to three of your contacts
- store up to 250 names and numbers in the phonebook
- easy-to-use volume control and built-in hands free speaker phone
- 15 polyphonic ring tones and vibration alert. Easy to switch between call alert modes. Simply "press and hold" the hash key for three seconds to change from your ring tone to silent vibrate alert
- emergency call button
- standby time of up to 170 hours and talk time of up to 120 minutes
- supplied with desk charging stand making recharging easier.

**Dimensions:** Width 5cm, length: 12.8cm, depth: 1.6cm. Weight: 100 grams.

**[Amplicom M5000 mobile phone](#), product code HM16**

**Priced £85.10 ex VAT, £97.87 inc VAT**

## Doro HandleEasy 330

This small, palm sized mobile phone enables both phone calls and text messaging. Despite its small size it retains relatively large buttons that are separated with a slight ridge between each row together with a dimple on the number five button to help you locate each button.

Available in a choice of two colours; black numbers on pearlescent white buttons (HM13W) or white numbers on black buttons (HM13K)

- high contrast full colour screen displays black numbers in 26 point font (6.5mm). The main menu has bold icons to indicate each feature with sub menus and phonebook entries displayed in 12 point font (3mm)
- number keypad features large print numbers in 20 point font (5mm)
- read text and write messages in 12 point font (3mm)
- store up to 100 names and numbers in the phonebook
- easy-to-use volume control and built-in hands free speaker phone
- ten polyphonic ring tones and vibration alert. Easy to switch between call alert modes. Simply pressing and hold the "#" key for three seconds to change from your ring tone to silent vibrate alert
- FM radio with a dedicated button and auto tuning to keep you entertained while you are out and about.
- LED torch, alarm clock, calculator, currency converter
- emergency call button
- standby time of up to 130 hours and talk time of up to 240 minutes



**Dimensions:** Width 5.8cm, length: 10.5cm, depth: 1.6cm. Weight: 111 grams.

**Doro HandleEasy 330 mobile phone**, product codes HM13K and HM13W

**Priced £86.95 ex VAT, £99.99 inc VAT**

### **Optional extras for the Doro HandleEasy 330**

Black leather case, product code HM13E, priced £16.63 inc VAT

Spare rechargeable battery, product code, HM13Y, priced £29.36 inc VAT

Spare UK mains charger, product code HM13C, priced £14.67 inc VAT

## Doro PhoneEasy 342

This tri-band mobile phone enables both phone calls and text messaging.

- high contrast full colour screen displays black numbers in 24 point font (6mm). The main menu has bold icons to indicate each option and the sub menus, phonebook entries and text messages are displayed in 12 point font (3mm)
- large, raised number keypad buttons with large print numbers in 20 point font (5mm)
- write text messages using standard or predictive text input methods. Predictive text messaging enables messages to be written with fewer key presses
- Text messaging and other features can be disabled to further simplify the operation of this phone
- easy-to-use volume control and built-in hands free speaker phone
- 20 polyphonic ring tones and vibration alert. Easy to switch between call alert modes. Simply press and hold the hash key for three seconds to change from your ring tone to silent vibrate alert
- emergency call button
- built-in alarm clock and calculator
- standby time of up to 180 hours and talk time of up to 280 minutes.



**Dimensions:** Width 5.2cm, length: 12.5cm, depth: 1.6cm. Weight: 97 grams.

**Doro PhoneEasy 342 mobile phone, product code HM20**

**Priced £100.00 ex VAT, £115.00 inc VAT**

### **Optional extras for the Doro PhoneEasy 342**

Black leather case, product code HM23, priced £16.63 inc VAT

Spare mains charger, product code HM28, priced £14.67 inc VAT

Spare rechargeable battery, product code HM27, priced £29.36 inc VAT

Desk charging stand, product code, HM26, priced £12.71 inc VAT

## Doro PhoneEasy 345

This tri-band mobile phone enables both phone calls and text messaging. This phone is similar to the Doro 342 yet adds several more advanced features including Bluetooth, FM radio and is compatible with hearing aids. Available in a choice of two colours; black (HM18K) or white (HM18W).

- high contrast full colour screen displays black numbers in 24 point font (6mm). The main menu has bold icons to indicate each option and the sub menus, phonebook entries and text messages are displayed in 12 point font (3mm)
- large, raised number keypad buttons with large print numbers in 20 point font (5mm)
- Bluetooth wireless technology enables hands free use when used with compatible headsets. It also has a built-in hands free speakerphone
- hearing aid compatible with a rating of M3/T3
- store up to 100 names and 300 numbers (up to three against each name) in the phonebook
- write text messages using the standard or predictive text input methods. Predictive text messaging enables messages to be written with fewer key presses
- 20 polyphonic ring tones and vibration alert. Easy to switch between incoming call alert modes. Cycle through the three options; ring, vibrate and combined by simply pressing the hash key for three seconds
- FM radio with auto tuning to keep you entertained while you are out and about
- emergency call button
- LED torch, alarm clock and calculator
- standby time of up to 180 hours and talk time of up to 280 minutes.

**Dimensions:** Width 5.2cm, length: 12.5cm, depth: 1.6cm.  
**Weight:** 97 grams.

**Doro PhoneEasy 345 mobile phone, product codes HM18K and HM18W**

**Over 10% off until 31 December 2009**  
**Priced £100.00 ex VAT, £115.00 inc VAT**  
(was £113.04 ex VAT, £130.00 inc VAT)



### Optional extras for the Doro PhoneEasy 345

Black leather case, product code HM23, priced £16.63 inc VAT

Desk charging stand, product code, HM26, priced £12.71 inc VAT

Spare mains charger, product code HM28, priced £14.67 inc VAT

Spare rechargeable battery, product code HM27, priced £29.36 inc VAT

### Emporia Life plus

The Emporia Life plus mobile phone enables both phone calls and text messaging. It features a sliding mechanism that hides the number keypad when it is not in use, helping to keep it small but still have large number buttons.

- large, high contrast orange screen displays black numbers in 36 point font (9mm). The menus are displayed in 24 point font (5mm) and phonebook and call lists in 20 point font (5mm)
- dark grey keypad buttons with large print light grey numbers in 24 point font (6mm) which light up orange to increase contrast
- read or write text messages in 16 point font (4mm)
- store up to 200 contacts in the phonebook
- built-in hands free speakerphone
- eight polyphonic ring tones and vibrate feature
- LED flashlight
- three bright LED lights indicate low signal level, incoming call and low battery
- alarm clock with repeat and snooze function
- emergency call button
- standby time of up to 250 hours and talk time up to 180 minutes



**Dimensions:** Width 5.8cm, closed length: 11.2cm, open length: 17.7cm, depth: 1.8cm. Weight: 138 grams.

**Emporia Life plus mobile phone, product code HM11**

**Priced £144.67 ex VAT, £166.37 inc VAT**

### Optional extras for the Emporia Life plus

Horizontal black leather case, product code HM07EHK, priced £19.56

Vertical black leather case, product code HM07EVK, priced £19.56

Ladies purse style black leather case, product code HM07ELK, priced £19.56

Ladies purse style red leather case, product code HM07ELR, priced £19.56

## Doro PhoneEasy 410

This tri-band clamshell mobile phone is available in either black or white and has an exceptional level of hearing aid compatibility. The bright colour display and well laid out keypad bring ease of use in a phone containing a significant level of features. Receive multimedia messages (MMS) in addition to standard SMS texts. Built-in Bluetooth provides hands free calling with compatible headsets. Available in two colours; black (HM21K) and white (HM21W).

- high contrast full colour screen displays black numbers in 24 point font (6mm). The main menu has bold icons to indicate each option and the sub menus, phonebook entries and text messages are displayed in 12 point font (3mm)
- large, raised number keypad buttons with large print numbers in 20 point font (5mm)
- Bluetooth wireless technology enables hands free use when used with compatible headsets. It also has a built-in hands free speakerphone
- hearing aid compatible with a rating of M3/T4
- store up to 100 names and 300 numbers (up to three against each name) in the phonebook
- write text messages using the standard or predictive text input methods. Predictive text messaging enables messages to be written with fewer key presses
- 20 polyphonic ring tones and vibration alert
- FM radio with auto tuning to keep you entertained while you are out and about
- alarm clock, calculator and two games; Robot and UFO
- emergency call button
- standby time of up to 280 hours and talk time of up to 240 minutes



**Dimensions:** Width 5.0cm, closed length: 9.8cm, open length: 18.4cm, depth: 1.9cm. Weight: 110 grams.

**Doro PhoneEasy 410 mobile phone**, product codes HM21K and HM21W

**Over 15% off until 31 December 2009**

**Priced £113.04 ex VAT, £130.00 inc VAT**

(was £130.43 ex VAT, £149.99 inc VAT)

### Optional extras for the Doro PhoneEasy 410

Black leather case, product code HM21E, priced £16.63 inc VAT

Desk charging stand, product code, HM26, priced £12.71 inc VAT

Spare mains charger, product code HM28, priced £14.67 inc VAT

Spare rechargeable battery, product code HM27, priced £29.36 inc VAT

## Big Easy 2

This mobile phone is larger than an average mobile phone to accommodate its large buttons and easy-to-see screen. Every button is at least 1cm square and are all back lit to make the text easier to see. The phone has a silver coloured face and the black rubberised case that is easier to hold.

- large high contrast display shows 56 point font (14mm) when typing a telephone number
- reversible display giving a choice of white text on a black background or black text on a white background
- 32 point font (8mm) number keys with a white backlight to increase contrast and make them easier to see, especially in dark surrounds
- write and read text messages in 19 point font (5mm)
- built-in hands free speakerphone
- three dedicated speed dial buttons
- standby time of up to 120 hours and talk time of up to 300 minutes

**Dimensions:** Width 6.7cm, length: 17.9cm, depth: 2.1cm.  
Weight: 211 grams.

**Big Easy 2 mobile phone**, product code HM10

**Priced £199.00 ex VAT, £228.85 inc VAT**



## **Burnside P230 desktop mobile phone**

This phone combines the ease of use of a traditional landline telephone unit with the flexibility of a mobile phone. It looks and feels just like a corded telephone and even has a dial tone yet is a mobile phone! It is a cost effective alternative to installing a fixed line and is ready to use within minutes.

- better signal strength than a standard mobile phone. The aerial is attached to the base unit which enables it to be larger than in a mobile phone
- large backlit display with characters in 24 point font (6mm) high
- large, raised buttons with large print characters in 24 point font (6mm) high
- five dedicated speed dial buttons. Store a further 250 names into the phonebook
- call register logs the last 20 dialled and received calls and 10 missed calls
- handsfree speakerphone. It can also be programmed to automatically answer calls from numbers stored in the speed dial buttons
- send and receive text messages
- built-in battery provides standby time of up to 120 hours and up to 3 hours of talk time



**Dimensions:** Width 19.5cm, depth: 19.5, height: 8.5cm. Weight: 125 grams

**[Burnside P230 desktop mobile phone](#), product code HM22**

**Price £169.95 inc VAT**

## 2. Talking mobile phone

### Owasys 22C

The Owasys 22C is a talking mobile phone designed specifically for blind and partially sighted people. All the functions are spoken using a synthetic female voice built into the phone, so there is no additional software to load. It has no visual display, and has well spaced easy to find and tactile buttons.

- make calls, find and edit contacts information in your phonebook, access call lists and caller identification, read and edit text messages, check signal coverage and battery level
- easy to use with a dedicated key to access the phonebook, a hands free mode and an information mode which announces your position within the phone's menu system
- store up to 250 contacts with fields for name, address, home phone, mobile phone, office phone and email address
- write and send text messages and read received messages.
- choice of 56 ring tones and vibrating alarm option
- standby time of 200 hours and talk time of up to 480 minutes



**Dimensions:** Width 4.9cm, length: 11.8cm, depth: 2.7cm. Weight: 125 grams

**Owasys 22C mobile phone, product code HM02X**

**Price £299.00 ex VAT, £343.85 inc VAT**

#### **Optional extras for the Owasys 22C**

Black leather case, product code HM02E, priced £13.23 inc VAT

Headphones, product code HM02H, priced £4.89 inc VAT

Spare rechargeable battery, product code HM02Y, priced £22.82 inc VAT

Spare mains charger, product code, HM02C, priced £8.50 ex VAT, £9.78 inc VAT

### 3. Accessibility software for mobile phones

Many new "smart" mobile phones have advanced operating systems such as Symbian and Windows Mobile. These operating systems allow the mobile to be adapted with software to make them accessible to blind and partially sighted users. These mobiles are often complicated and largely do not feature tactile buttons which can make them difficult to use even with the software. We recommend that you handle a phone before you buy it to ensure the buttons are suitable for you.

If you are looking for a mobile phone with more advanced features such as the internet, email, music and video then please read our Mobile phone software factsheet (product code TC21266). It contains details of the different operating systems and the software for each of them. It also contains information on provisions made by some mobile phone operators and the Apple iPhone.

### 4. Contact details

#### **RNIB Technology Information and Support Team**

Telephone: 0845 900 0015

Email: [ict@rnib.org.uk](mailto:ict@rnib.org.uk)

Web: [rnib.org.uk/shop](http://rnib.org.uk/shop)

#### **RNIB**

PO Box 173, Peterborough, PE2 6WS.

Telephone: 0303 123 9999

Email: [shop@rnib.org.uk](mailto:shop@rnib.org.uk)

If you or someone you know has a sight problem telephone 0303 123 9999 or email: [helpline@rnib.org.uk](mailto:helpline@rnib.org.uk)

RNIB can:

- provide you with information, advice, free leaflets and factsheets
- put you in touch with specialist advice services
- give you details of support groups and services in your area.

### 5. Keep up-to-date

#### **Technology news**

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