

When the upload starts the blue LED on the Digidown unit will start flashing more quickly (about twice per second). During the upload, a progress bar will indicate the transfer of files through the phone. Once a file has been uploaded then it will be sent as an e-mail. Finally the phone display will indicate that the upload has been completed and (if no more files are to be sent) will close the connection to the Digidown unit.

If another data file is available then the file upload process will be repeated for each file up to the session maximum number of files to be sent has been reached or until there are no more files to upload.

Phone Message Display

Depending on the precise phone manufacturer and model, a number of different messages might be displayed by the phone whilst using the Digidown phone application.

'Allow application to use connectivity applications' - the phone is asking for permission to use the Bluetooth function (and permission is needed). Some phones will offer the option 'Allow once', 'Allow for this session' or 'Always allow' - select whichever you prefer.

'Allow network access' or 'Allow application to use network and send or receive data?' - the phone is asking for permission to connect to the internet.

'Select connection' or 'Select access point' - the phone has a number of different possible ways of connecting to the internet and you are being asked which one to use.

Some phones support Wi-Fi. If the phone does and Wi-Fi access is available then this can often be a lower cost way of getting internet access.

The phone might be set for access via different service providers (e.g. in the UK O2, Orange, T-Mobile, Vodafone, etc.). In this case select the access point matching the SIM card in the phone.

Some service providers have more than one access point - select the most appropriate.

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Digidown Phone Operating Instructions V0.4
Subject to change without notice

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Phone Operating Instructions

Introduction

A key feature of the DigidownBlue and DigidownCR is their ability to upload tachograph data files to any desired location in the world. This is achieved by linking the Digidown unit to a mobile phone via Bluetooth and then sending the data via the internet as an attachment to an e-mail.

Please note that some of the following instructions are necessarily general as the precise details vary from one phone to another.

Phone Requirements

In order to use the DigidownBlue or DigidownCR to upload data files via a mobile phone, the phone must have certain features:

- Internet access via packet data, e.g. GPRS, EGPRS or 3G, etc.
- Bluetooth
- Java support including JSR-82

Most Nokia and Sony Ericsson phones which support internet access also support the other required features. Recent BlackBerry phones and Android phones running OS version 2.0 and later are also supported.

Initial Phone Set Up

To support the DigidownBlue and DigidownCR data upload function, a small Java application must be installed on your phone. To download this application, it is essential that the phone can connect to the internet. In some cases the phone will receive the required internet connection settings automatically or will already have them set. If you are not able to connect the phone to the internet then one way to get the required settings is to go to the phone service provider's web site using another computer (search for '<service provider> web settings'), select your phone type, enter your phone number and then the required settings will be sent to your phone. Alternatively go to your local mobile phone shop and ask them to help you connect your phone to the internet.

Downloading the Digidown Application

Switch on your phone in the normal way and then either start up the web browser or select 'Go to URL'. Enter the web address <http://m.digidown.net> and go to that site. There you will find a 'Welcome' message and an invitation to download the 'Digidown Application'.

Select that application, download it and install it. Please note that the application must be downloaded directly to your phone - it is not possible to install the application by downloading by some other method and then transferring it to your phone.

When downloading the application you might be asked where it should be installed, e.g. to the phone memory or to the memory card. The phone memory is preferable as this will always be present, but either location is acceptable.

Once the installation has been completed you will probably be offered the option to start/run the application or to close it. If you choose 'Start' you will arrive at the Digidown Application welcome page or, on some handsets you will be asked to begin configuring the application by choosing a language.

Running the Digidown Application

To run the Digidown Application, first locate where it has been installed. This can vary from one phone to another. Usually this application will be found in the phone's 'Applications' folder or in the 'Games' folder. Select and run the application.

Many phones provide a facility to set a short-cut to chosen applications. This can make it very easy to find and start the Digidown Application. Please consult the instructions for your phone for information on how to set up short cuts.

Phone Application Settings

When you start the Digidown Application for the first time, the setup wizard will launch.

Some phones will initially ask you to choose a language, then all phones will display a welcome screen. Press 'Next' to proceed.

The first stage of setup tests the Bluetooth connection to your Digidown unit. You will be asked to press and hold the Bluetooth button on the DigidownBlue or activate your DigidownCR by inserting a card and waiting for the Bluetooth light to start flashing, and then press 'Next' on the phone. A brief test is carried out whereby the phone searches for the Digidown unit, connects to it and then exchanges brief messages. Some phones may ask that you pair with the Digidown unit at this stage, if so, enter the PIN **6543**. Provided that this is successful then the success will be reported by the phone. Press 'Next' to move on.

On the next setup page please enter your name and your e-mail address:

'Your name' should usually be your personal name (e.g. Joe Bloggs). Alternatively it could be some other name which identifies the person or people using the phone, maybe the company name and/or department, e.g. 'Joe Bloggs Transport Phone 1'.

'Your E-mail Address' is used as the 'from' e-mail address when downloaded data is sent by e-mail. It *must* be a valid e-mail address. It is common for e-mails apparently being sent from invalid addresses to be treated as junk mail and not delivered.

Having entered your name and e-mail address, press 'Next'. After saving these settings press 'Next' to move on.

You will then be invited to send a test e-mail. Press 'Send' to send or 'Skip' to skip the test. If you choose to send then a test e-mail will be sent to your 'From' e-mail address. The result of the test will be displayed on the phone. Press 'Return' to finish the setup procedure. Please check your normal e-mail system to confirm that the test e-mail is received as expected.

The settings can be changed at any time by selecting 'Setup Wizard' on the normal Welcome page.

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File Destination ('To') Address and Max Files Uploaded per Session

The e-mail address which is to receive the e-mails with the downloaded data is saved on the memory of your Digidown unit. The 'To' e-mail address should be where you would like the downloaded files to be sent. It may be your personal e-mail address or an address specifically set up to receive your tachograph data files. In the case of a specific address to receive the data files this can be an address within your own organisation, or alternatively it can be an address for the organisation which handles your data, e.g. a drivers' hours analysis bureau.

Each downloaded data file is sent in a separate e-mail. You can download data from one truck and/or card or from several trucks/cards before you upload the data.

The 'To' email address and maximum files to be sent each time you use the Bluetooth function can be specified as follows.

Attach your Digidown unit to a PC via the USB cable. Locate the DigidownBlueDataDestination.exe file in the 'updates' folder. Alternatively, if you have not received this file, you can download a free .zip file containing this program from www.lisledesign.com/DigidownBlue. 'Unzip' or 'extract' the files before running the program. Copy this file to your computer and double click to run (no installation is required). The current settings should be displayed. Enter the email address and file number in the relevant boxes and click 'configure'. Follow the on screen instructions.

Note: As each data file is uploaded successfully that file is marked as having been sent so that it will not be sent again next time. The original file is retained on the memory card in case it is needed in the future.

Phone Bluetooth Settings

When uploading files or testing the link between a DigidownBlue or a DigidownCR and a phone, the phone's Bluetooth function will need to be enabled. If it is already on then the upload or test will go ahead. If not, some phones will ask if you want to enable Bluetooth. Please answer 'yes' and the test or upload process will continue. If you answer 'no', then the test or upload will fail. With other phones it is necessary to turn Bluetooth on before starting the Digidown application. It will generally be found under 'Settings' - 'Connectivity' or 'Settings' - 'Bluetooth'.

Many phones allow the user to set whether or not the phone is visible to other Bluetooth devices. Either setting ('visible' or 'not visible') is acceptable, but it is generally preferable to set it to 'not visible' provided that this does not upset any other device or application.

Upload of Vehicle Unit and Card Data Files

To upload a data file (which has previously been downloaded to the memory card in the Digidown unit) first start the 'Digidown Application' on your phone. From the 'Welcome' screen select 'Run' and press 'Start'. The phone will then check its internet connection and then begin searching for a Digidown unit.

Press the Bluetooth button on the Digidown Blue unit. Initially the blue LED will come on and then will start flashing slowly (about once every 2 - 3 seconds). Alternatively, insert a card into the DigidownCR unit and wait for the blue Bluetooth light to begin flashing.

When the phone finds the Digidown unit (having perhaps found and rejected one or more other Bluetooth devices) it will indicate that it has found the unit. If it is the first time it has seen this Digidown unit it will ask for a pass code - enter **6543**. It will then make a connection to the Digidown unit and start uploading the data file to the phone.

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