

# Bug Keeping

*A practical guide for new owners*



by PURE Digital

## Safety instructions

- Keep the radio away from heat sources.
- Do not use the radio near water.
- Avoid objects or liquids getting into the radio.
- Do not remove screws from or open the radio casing.

## Recording music

PURE Digital does not endorse piracy. The record features on the Bug are provided to allow you to listen to radio at a time convenient to you and are not intended to enable proliferation of illegal copies of copyrighted music. PURE Digital supports the music industry and the right of musicians to benefit from their copyrighted material.

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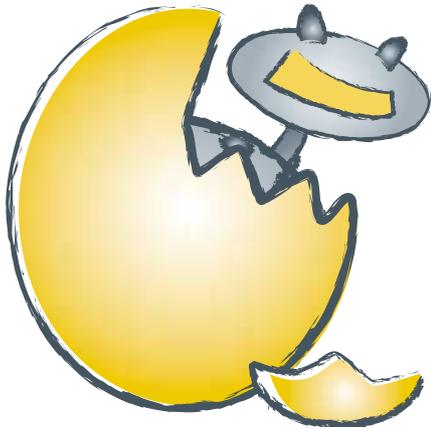
This manual was written by Bruce Murray. It is a product of PURE Digital, Imagination Technologies Ltd., Imagination House, Home Park Estate, Kings Langley, Hertfordshire WD4 8LZ, UK. Kind thanks to The Cradle of Aviation Museum, Garden City, N.Y. for permission to use the image of Mr Marconi flying his kite.

Issue 2 April 2004

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# Evolution

The story behind The Bug and DAB digital radio  
by Wayne Hemingway

## The Bug



The Bug... ooooh, aaah

The Bug is one seriously cool collaboration between hEMINGWAYdESIGN - the founders of award winning label Red or Dead and acclaimed designers of all things affordable from wallpapers through to housing estates, and PURE Digital - the pioneers of DAB Digital Radio behind the successful EVOKE-1.



EVOKE-1... boxy but good

The Bug may look cool on your coffee table but it also performs (as you would expect from men in white coats who have stroked their pointy beards over this 'til their chins were sore) and gives radio clarity and a choice of stations that will make you want to take your existing FM/AM units down to your local Cats Protection League charity shop.

## A Concise History of Radio

Michael Faraday discovered electromagnetic induction in 1831, then his mate Alexander G Bell came up with the telephone a year later. In the vintage year 1877, Thomas A Edison recorded the first sound... it was "Mary had a little lamb" and it was a lot more pleasing to the ears than the entire output of Pop Idol and Fame Academy.



Mr Marconi - this radio'll never take off

In 1900 a bloke called Reginald Fessenden used his trusty spark generator to send the human voice a mile, in 1901 Marconi flew his kite and topped that with the first transatlantic radio transmission. Morse code followed then not much happened apart from Radio Caroline sinking in 1980 and someone called The Hairy Cornflake on Radio 1 making a daft record about CB'ers.

But then came DAB - Digital Audio Broadcasting.



Caroline goes down

## DAB



Fish...useless for music, news and sports results

To a fisherman a Dab is a flounder

To a lover of northern British chip shops a Dab is a large slice of potato dipped in batter and deep fried.

To you, the purchaser of this fine piece of design technology DAB is Digital Audio Broadcasting. Listening to the radio whilst holding your rod and eating fried potato will never be the same again.

FM and AM are analogue radio signals and it doesn't take much to interfere with the signal, just little things like mountains, bad weather and high rise buildings can ruin that moment when England win the world cup. However, if you are sat listening to your Bug in South Shields and someone suddenly builds a skyscraper, a tornado comes in off the North Sea and a volcano creates a mountain the size of Everest near the village of Cleadon then listening to DJ TranceMaster mixing a Fat One in a dancehall stylee will be just like you are there strutting your stuff in the disco.

Reception on your Bug remains crystal clear because DAB uses obstacles, i.e. the South Shields Erotic Gherkin Tower, the Twister and the newly formed Geordie Alps as reflectors creating multipath reception conditions to optimise receiver sensitivity. DAB automatically selects the strongest regional transmitter and gives you digital quality without hiss, crackle and pop.

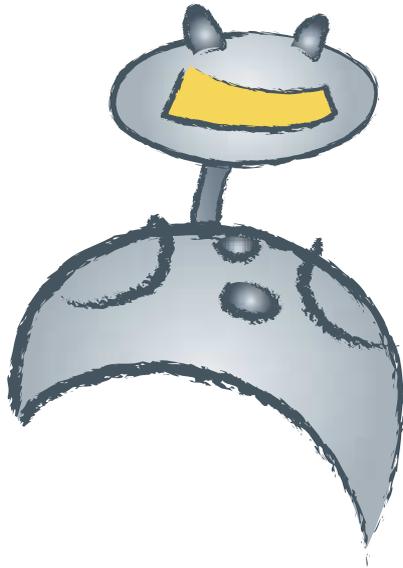
Furthermore DAB radios can carry text and soon pictures and even video on their displays. Imagine lyrics being shown on the screen so you can sing along to all your favourite hits like Atmosphere by Russ Abbot. All together now "Atmosphere, I love a party with..."

As well as music having digital quality, the spoken word comes over as clear as a bell. The huge variety of radio stations available on your DAB set are identified by the station's name. You don't have to remember any big numbers with a decimal point. The name of the station appears on the screen and you simply scroll through them to find the one you want. I know that many of you may miss your knob twiddling but take it from us, scrolling is the new knob twiddling.

**DAB**  
Digital Audio Broadcasting







# Meet The Bug

Introducing your Bug and getting started

## Full Frontal

### 6 shortcut buttons

Quick access to presets or for making selections

Cool blue LCD display

Record  
Records radio to SD card

### Menu

Enters and exits option menus

Twin speakers

### Info

Changes info shown on screen

### Navigator

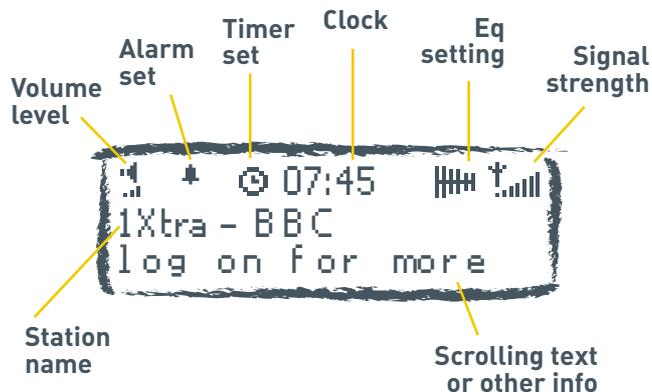
Rock left and right for volume, up and down for navigation. Press the centre to select or switch on and hold down to switch to standby

### ReVu/Snooze

Press to pause radio, hold to enter ReVu mode or press to snooze when alarm is going off

### Autotune

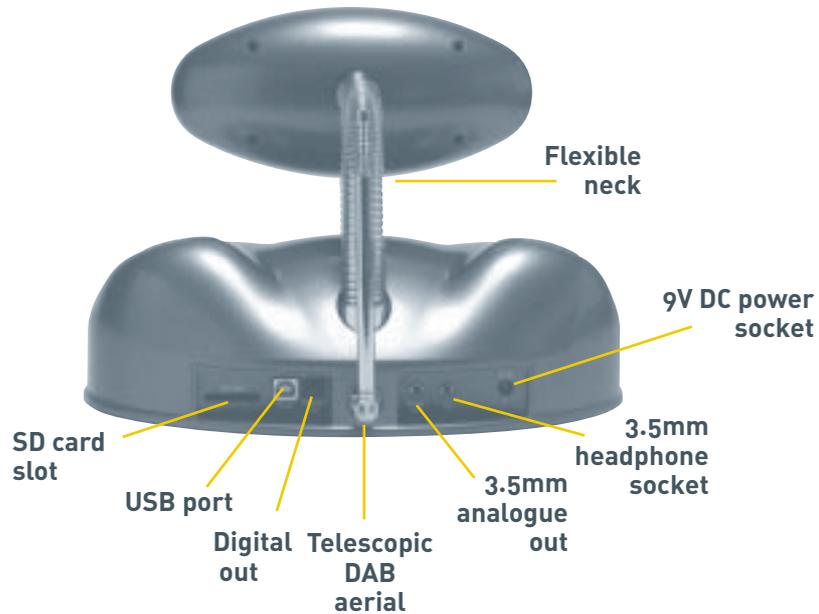
Finds all DAB stations in your area



Station name

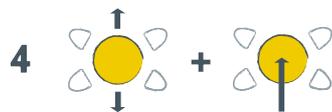
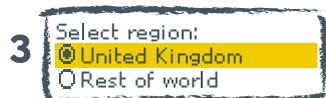
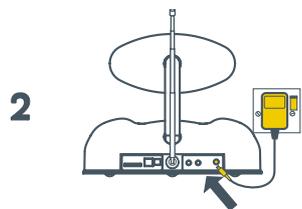
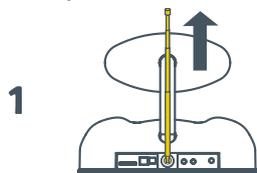
Scrolling text or other info

## Rear end



# Turn on, tune in, bug out

OK, so you know what all the bits are but you are just itching to get The Bug fired up right? Here's how...



**1** Fully extend the aerial.

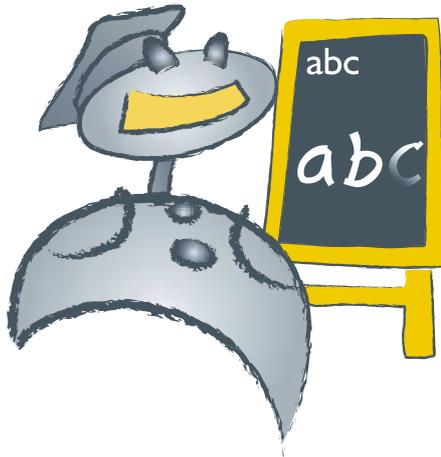
**2** Push the power cable into the power socket and the adapter into the mains.

**3** Select where you live, either UK or Rest of World, to start a search for all the digital radio stations available in your area.

**4** Once the search is complete you will hear the first station on the list now stored in the memory of your Bug. To select another station, rock the navigation button up or down and push to listen to it.

**5** Change the volume by rocking the navigation button left or right and get grooving. Welcome to the world of DAB digital radio. You'll never look back.

**6** To switch your Bug to standby, hold down the Navigator button. To switch back on press the navigator button or the bottom right shortcut button on the head.



# Bug Behaviour

Understanding your Bug and making it do what you want

# Listening to DAB

*Born to be DAB.* Listening to DAB is what your Bug was made for. This bit tells you how your Bug works when listening to DAB and what you can do with it.



## Changing stations

Finding stations is much easier with DAB than with your old FM/AM set. When you first switch on your Bug it quickly finds all the DAB stations available in your area and puts them in a handy station list.



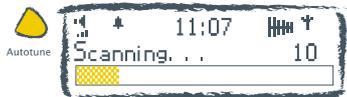
Rock then press to change stations

To change stations, flick through the station list on the bottom of the screen by rocking the navigation button up or down, then press the centre of the navigator button when you see the one you want.



Flicking through station list

Alternatively, you can fill the screen with the station list while you flick through the stations, press Menu, select Live radio and change the station as above.



Autotune finds all your stations

## Autotuning makes life easy

If you take your Bug travelling or move it around the house you can re-tune your Bug to update the list of stations. Push the **Autotune** button and your Bug will find and store all the stations for you including any new stations you can get in that area.



Turning up the volume

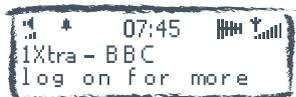
## Pump up the volume

To turn the volume up or down, rock the navigation button right or left. The volume icon on the screen shows the volume level.

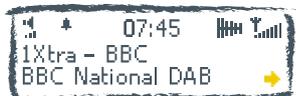


## Changing what's shown on screen

*Show and Tell time.* The Bug has 5 DAB info modes so you can change what you see on screen. Press the Info button and repeat to choose between the 5 info modes. Some of the modes have more than one option, shown by an arrow at the bottom right of the screen. Push the shortcut button next to the arrow to choose between the options for that mode (shown below with arrows).



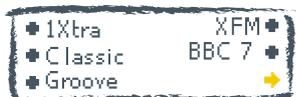
Scrolling text



Multiplex



Clock



Presets



Bug eyes

- 1 **Scrolling text** Scrolling text broadcast by some stations.
- 2 **Multiplex** Name of the multiplex the current station belongs to. Multiplexes are groups of stations broadcast by a single operator.
  - ➔ **Date** Day and date broadcast by the multiplex.
  - ➔ **Channel** DAB channel and frequency of the station you are listening to.
  - ➔ **Mode** Stereo or Mono indicator and data rate at which the station is being transmitted. This rate is set by the stations to suit the type of material being transmitted. High rates generally mean higher quality.
  - ➔ **Quality** Signal quality for the station you are tuned to. As a guide, values from 85 to 100 indicate good reception, 70 to 84 so-so reception and 0 to 69 poor reception.
  - ➔ **Content** Description of the content broadcast by the station.
- 3 **Clock** Full screen clock showing hours and minutes.
  - ➔ **Clock 2** Full screen clock showing hours, minutes and seconds.
  - ➔ **Clock 3** Date and time.
- 4 **Presets 1-5** DAB presets 1-5 for quick access using the six shortcut buttons.
  - ➔ **6-10** DAB presets 6-10 for quick access using the six shortcut buttons.
- 5 **Bug eyes** Animated bug eyes, just for fun.



ReVu/Snooze

## Pausing and rewinding radio (ReVu mode)

*Hold it there, I want that track!* The Bug includes a handy ReVu mode which lets you pause and rewind live radio. It works like this:

The Bug constantly stores audio and text from the station you are tuned to in its memory. The amount stored depends on how long you have been listening to that station and the data rate of the broadcast. By putting your Bug into ReVu mode you can access this stored audio and pause or rewind live radio over short periods (That's around 5 minutes at 128 kbps).

Once the memory is full, it keeps adding to the memory but starts to overwrite the start of the stored audio and text.

You can enter ReVu mode in two ways which you select as follows:

**Paused** - press and release the ReVu button.

**Fast forward/rewind** - press and hold the ReVu button for three seconds.

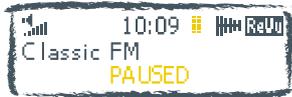
When you enter ReVu mode you see the ReVu icon on the display and the clock changes to show how many minutes/seconds behind the live broadcast you are.

Once in ReVu mode you can toggle between paused and playing by pushing the ReVu button again or press the navigator button to exit ReVu mode and return to the live broadcast.

### To pause and replay live radio

*The phone goes in the final minutes of extra time!!! Aaargh, don't panic - pause, and when you hang up, carry on from where you left off. Gooooaal.*

Push the ReVu button. The display shows PAUSED and the clock shows how far behind the live broadcast you are.



ReVu mode - paused state

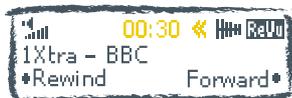


ReVu mode - forward/rewind state



Paused, 5 mins 2 secs behind real time

Push the ReVu button again to start replaying the stored audio and text from the where you left off. The clock stops counting, showing that you are now listening that many minutes/second behind real time. You can listen in this way for as long as you like, or press the shortcut button next to fast forward to catch up to real time.



Rewinding, 30 secs behind real time

## To rewind radio

*I love that song!! I'll just rewind back to the start and groove on down again.*

Hold down the ReVu button, or if already paused, press and release the ReVu button. Rock the navigator button down or use the Rewind shortcut key shown on screen to move back to the start of the track and let go to start replaying.

If you really like the track and want to record it to SD card\* at this point press Record, see page 18 for details.

To see the stored text or other display options while you are in ReVu mode push the Info button as normal. The rewind and fast forward controls are added to the other 5 info modes while you are in ReVu mode, see page 15 for details of other info modes.



Presets 1-5

## Storing and recalling presets

*All that rocking tiring you out?* Store up to 10 of your favourite stations as presets which you can get at quickly using the shortcut buttons on your Bug's head.

Push one of the six shortcut buttons on the head or set the info mode to show the presets as described on page 15. This shows the first five presets on the screen. If you like, display the second set of five presets by pushing the bottom right shortcut button.

**To store a preset** - Hold down the shortcut button you want to store the current station under until the station name appears. The preset is stored.

**To recall a preset** - Push the shortcut button next to the preset you want to listen to.

\*Record function provided for personal use only



## Recording radio to a memory card

*That's a keeper. Capture that special track and take it with you on a little bit of plastic.*

You can record radio\* to an SD (Secure Digital) card which you put into the SD card slot in the rear of your Bug. The amount you can record depends on the size of your card and the quality of the audio being broadcast. See Using an SD card, on page 24, for more details of card types and how to play back recordings.



Recording to SD card

1. Push your card in the slot on the rear with gold pins facing down and forwards.
2. Press the Record button to start recording. You see a flashing record icon on the screen.
3. Press the Record button again to stop recording. You see a message giving the name that the recording has been saved under.

## Changing DAB options

*I want it all, I want it now and I want it different tomorrow.*

Customise the way your Bug works in DAB mode using these options. Push the Menu button, select DAB options and choose from the following:



### Station order

Change the order of stations on your station list using this option. The current order is highlighted on screen. Choose from the following:



#### Alphanumeric

Displays all stations in alphanumeric order.

#### Favourite station

Displays your ten most listened to stations at the top of the station list and the others below. Your favourite stations are picked by your Bug which keeps track of how long you listen to each station.

\*Record function provided for personal use only

## Active station

Displays active stations at the top of the station list and inactive ones at the bottom, in alphanumeric order. Inactive stations are those on your station list but not currently available, marked with a '?'.  
**Manual tune**

## Multiplex

Lists stations in groups according to their multiplex. Multiplexes are groups of stations owned and broadcast by a multiplex operator.

**Remove inactive stations** Removes inactive stations from the station list.

## Add favs to presets

Available only when Favourite station order (above) has been selected. Transfers your ten favourite stations to presets.

## Manual tune

Find new stations or fine tune your reception using this option.

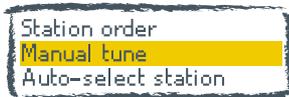
You see a list of channels and frequencies. Each multiplex has a different channel and frequency (e.g. BBC is channel 12B and Digital One is 11D), contact the radio stations for information on which multiplex they are broadcast on.

1. Select the channel you want from the list.

**Note** You see a signal strength display. The marker indicates the minimum required level for reception and the filled blocks indicate the current level.

2. Move your Bug or aerial and to try to raise the current level to the marker or beyond. You will see the multiplex name next to the channel if a good signal is received and the stations in that multiplex will be added to the station list. Press the navigation button to see a list of the new stations added.

**Note** You can show the signal strength for a station you are listening to at any time by pushing the navigation button.

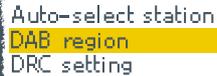




Manual tune  
Auto-select station  
DAB region

### Auto-select station

Change the way you select stations using this option. This option is set to Off by default meaning when you scroll to a new station you have to press the navigation button to confirm the selection. If you set this option On, your Bug will automatically tune to the station you stop at rather than waiting for confirmation.



Auto-select station  
DAB region  
DRC setting

### DAB region

Change the frequencies scanned when you press the **Autotune** button using this option.

**United Kingdom** - the default setting - scans all UK frequencies.

**Rest of world** - scans the full range of digital frequencies in Band III. This option is for use outside the UK where other Band III stations may be available.



DAB region  
DRC setting

### DRC setting

Make the quieter sounds in a broadcast easier to hear at low volume or in a noisy environment using this option. The DRC (Dynamic Range Control) level of a broadcast is set by the station and sent with the signal. At the time of writing only BBC Radio 3 regularly broadcasts a DRC level. Check with the broadcasters to find out if they use DRC on their stations.

Select one of the following options:

**DRC 0** DRC is switched off. Any DRC level broadcast will be ignored. This is the default setting.

**DRC ½** DRC level is set to ½ that sent with the broadcast.

**DRC 1** Applies the DRC level as sent with the broadcast.

## Setting alarms and timers

*Set a sleep timer to lull you to sleep, alarms to wake you up and record timers for when you're asleep. 24 hour radio.*

The Bug gets the date and time from the DAB signal. The clock is normally shown on the top line of the display but you can also set it to fill the whole screen, see page 15. The clock is set automatically for you the first time you switch your Bug on and receive DAB and is updated regularly to keep it accurate.

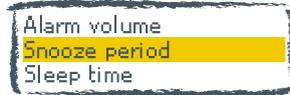
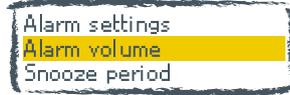
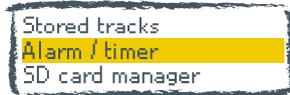
**Note** As the clock is provided by the DAB signal you can't adjust the time on your Bug. The DAB radio stations are responsible for keeping this clock accurate and changing the time to take into account daylight saving and date changes. The clock is used for the alarm, sleep timer and record timer functions as described below.

### Setting alarms

You can set up to two alarms and pick a different radio station for each or choose to hear a tone. The alarm switches your Bug on (if in standby) and tunes to the station you have chosen or sounds a tone. To set or change an alarm:

1. Push the Menu button, select the Alarm/timer option and choose Alarm settings.
2. Select one of the two alarms and choose Set to see and change the alarm settings or Off to switch that alarm off.
3. Set the time you want the alarm for, days you want it to apply, whether you want a tone or radio alarm and station (if radio alarm) using the Navigation button.
4. Select Alarm volume and rock the navigation button left or right to set the volume for your alarm. Push the Menu button to save the setting and exit.
5. Select Snooze period and rock the navigation button up or down to set a snooze period between 5 and 30 minutes (default 8 minutes) after which the alarm will go off again. Push the Menu button to save the setting and exit.

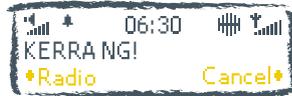
Push the Menu button to return to normal display. You will see a bell symbol on the screen showing that the alarm is set. The list of alarms will also now show a bell symbol next to the alarms that are switched on.



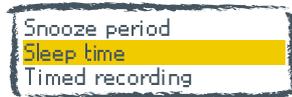
Alarm set icon



Alarm snoozed



Alarm going off - options



## Cancelling alarms

When an alarm goes off you have four options - turn over and ignore it or one of the following more sensible options:

**Snooze** Push the Snooze button and you will snooze the alarm for the period set (the default is 8 minutes). The radio or tone will go quiet and you see 'Snoozed' on the screen if the backlight is on. The alarm will repeat when the snooze period has elapsed. You can repeat the snooze as many times as you want up to 60 minutes after alarm time. The alarm will automatically turn off after 60 minutes.

**Cancel** Press the shortcut button indicated to cancel the alarm and return the radio to its previous state.

**Radio** Press the shortcut button to cancel the alarm and switch the radio on.

## Using the sleep function

Want to drift off to the gentle murmur of late night talk shows? Set a sleep time after which the Bug will automatically switch itself into standby mode.

1. Press the Menu button, select the Alarm/timer option and choose Sleep time.
2. Select one of the sleep times from 15 to 90 minutes or choose 0 to set no sleep time.



## Setting a timed recording

*Your Mother's in town but obviously you don't want to miss 'Thrash metal hour'. Set a timer and record\* to SD card or your MiniDisc recorder and she need never know that you really don't like the TV themes in Brass CD she got you last Christmas.*

You can set up to nine different timers. To set up a timed recording:

1. Press the Menu button, select the Alarm/timer option and choose Timed recording.
2. Select one of the nine timers and choose Set to see and change the timer settings or Off to switch that timer off.
3. Set the start time, duration, day and station you want the timer for using the navigation button to select (push) and change settings (up/down).
4. Choose to record to the SD card or output to an external recorder via the optical output.
5. Select whether you want the speakers to be on or off while recording.

**Note** The above instructions will not set the record time on an external recorder. Your recorder may be able to detect when an S/PDIF signal is present (synchro-record) or you will have to set your external recorder to start recording at the same time. You should also press Menu, select Audio settings, Optical digital out and set this to Off/Timer if using a synchro-record method so that your recorder can detect when the recording is to start.



Timer set icon

When you return to default mode you see a clock icon on the screen showing that one or more timers are set. The timer list will also now show a clock next to those that are switched on.

\*Record function provided for personal use only

## Using an SD card

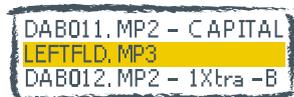
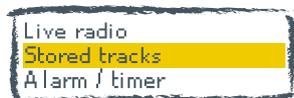
*Plastic fantastic - have postage-stamp-sized fun saving music to one of these little beauties.*

Stick an SD (Secure Digital) card in your Bug and you can use it for recording\* and playing back digital radio or playing MP3/MP2 files recorded elsewhere. SD cards are available from PURE Digital and many other electronics retailers and are used in all sorts of devices, from digital cameras to mobile phones, and come in lots of different capacities. As a rough guide - a 128 MB card will give you around 2 hours recording time from a 128 kbps broadcast data rate.

There is an ever increasing range of brands, capacities and quality of SD cards available. We have tested the Bug with the most popular cards but cannot guarantee all cards will work. Check [www.thebug.com](http://www.thebug.com) for any known issues.

**Note** The Bug records files to SD cards in MP2 format. You may need to use a computer to convert these files to a different format if you wish to use them in another device that uses SD cards. Check [www.thebug.com](http://www.thebug.com) for information on software you can use to convert files.

To insert an SD card push it face up into the slot on the back of your Bug. To remove a card push the card in slightly and it will pop out so you can remove it.



Track list with DAB MP2 and MP3 files

### Playing files

Push the Menu button and select Stored tracks to see a list of the files on the SD card. The Bug lists files found in a folder called TRACKS on the SD card. This folder is automatically created and used to store the MP2 files when you record from radio on your Bug. DAB recordings will show the station name and filename, MP3s will show track title and additional file information where available.

The list will automatically scroll right to show extra file information where available or you can use the navigator button to manually scroll left and right.

**Note** If you add other files to the card from your PC, make sure these are placed in the TRACKS directory or your Bug will not find and display them on the track list. The files must also have names with 8 characters or less with no spaces (e.g. thebug.mp3).

\*Record function provided for personal use only



Playing an MP3 from SD card

Rock the navigator button up and down to flick through the list of tracks available on the SD card and push to select and start playing one.

The display shows a card icon indicating that you are reading from the SD card, the filename, time into track and the following controls:

**Stop/Play** toggles between play and stop current track

**Delete** deletes the file from the SD card

You can also rock the navigator up or down to see the track list and push to select another file to play, press the ReVu button to pause and unpauses playback or push the Info button to toggle between the scrolling filename, date and the above controls.

When your file finishes your Bug will automatically play the next file on the track list and continue in a loop like this from the first to the last track until you stop playback.



## Managing your SD card

*Manage your music habit. Keep track of your consumption.* Delete files, format your SD card and view the space available on your card using this option.

Push the Menu button, select SD card manager and choose from the following options:

**Delete** This displays a list of all the files on the SD card that can be deleted. Use the navigation button to flick through the list and push to select and delete a file.

**Format** This formats the SD card for use in the Bug - this process is useful if you want to completely empty a card, use a new card or use a card previously used in another device which may have a different format to that used in your Bug.

**WARNING** The format process deletes all files including any non-audio files from the card.

**Status** This displays the size of the card you have inserted, the space used and the available space.

## Transferring files to your PC

*Want to expand your Bug's music tastes or backup those golden soundbites?*

You can transfer files to and from the SD card using your PC. There are two main methods possible:

### Connecting the USB port on your Bug to a USB port on your PC

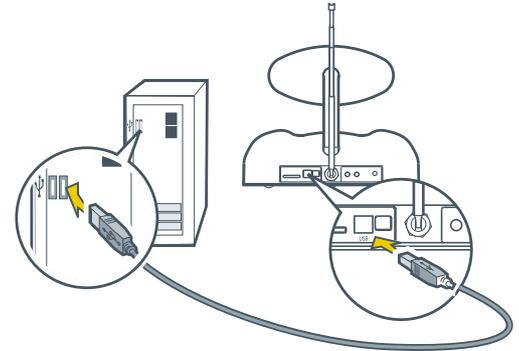
On later versions of Windows when you connect your Bug to your PC using a suitable cable your PC should detect the Bug and install it as an external storage device giving it a drive letter (e.g. E:) and making it available through Your Computer or Windows Explorer.

With your Bug and PC switched on and a card inserted you should be able to see the TRACKS directory on the SD card and copy files to and from the card as you would from any other drive.

**Note** If you add other files to the card from your PC, make sure these are placed in the TRACKS directory or your Bug will not find and display them on the track list. The files must also have names with 8 characters or less with no spaces (e.g. thebug.mp3).

### Using an SD card reader

As an alternative to the above method, if you already have an SD card reader built-in or attached to your PC you can use it in the normal way to transfer files to and from an SD card.

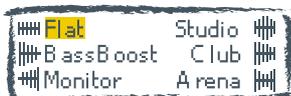


Connecting your Bug to your PC

## Changing audio settings

Whether you like banging bass, ear-splitting treble or something in between your Bug's Audio options let you set it up to sound just how you like it.

Push the Menu button, select Audio settings and choose from the following options.



### Equalisation

To match your mood or your music apply one of six equalisation settings to the sound from your Bug. Select one of the following options by pressing the shortcut button next to that setting:

 Flat - no eq applied to the signal, the default position

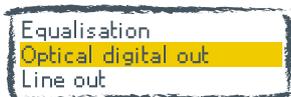
 BassBoost - boosts the bass and mid frequencies

 Monitor - boosts the treble and mid frequencies

 Studio - boosts the mid range frequencies

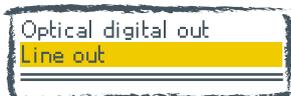
 Club - boosts the bass frequencies with some treble

 Arena - boosts the bass and treble frequencies



### Optical digital out

Set the digital out socket on all the time or on only when a record timer operates using this option. Set to Off/Timer if you want to use a synchro-record method so that your recorder can detect when the recording is to start.

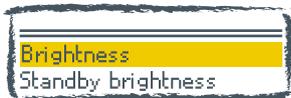


### Line out

Set the Stereo out socket to Line out (speakers off, maximum volume) for recording or output to an external amplifier or Normal (speakers on) at other times.

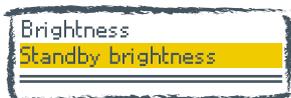
## Display backlight options

Choose whether you want non-existent or Blackpool-illumination-style backlighting using these options. Push the Menu button, select Display options and choose from the following options. If you set these options to Off, any button press will switch on the backlight on for a few seconds to allow you to view what is on screen.



### Brightness

Select the backlight brightness you want for when your Bug is switched on. Use the navigator to choose between the options.



### Standby brightness

Select the backlight brightness you want for when your Bug is in standby. Use the navigator to choose between the options.

## General setup options

Choose whether you see animations and view and upgrade your software version using these options. Push the Menu button, select General setup and choose from the following options.



### Animations setup

Select whether the Bug eyes animations on startup and shutdown are on or off.



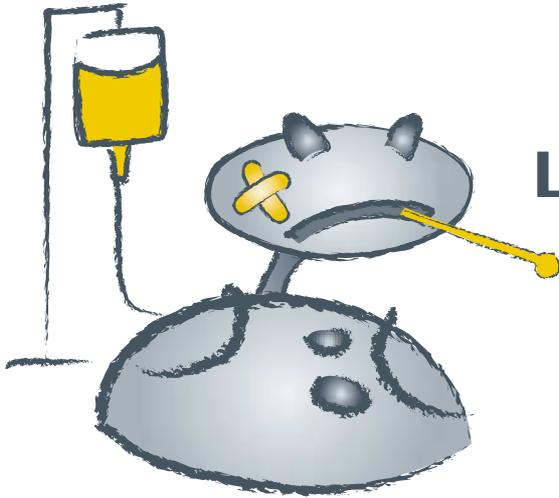
### Software version

Displays the current version of software installed in your Bug. You may need this number if you contact customer support or you want to install new software.



### Software upgrade

Check our website for details of when software upgrades are available for download. Upgrades may be issued to provide enhanced functions or improve performance. To upgrade the software in your Bug connect the USB socket to your PC using a suitable cable, select this option and follow the instructions provided with the software.



# Looking after your Bug

Solving problems and providing for your Bug

## Solving problems

Your Bug should behave properly at all times, if it doesn't do quite what you want check this list of common ailments and cures. If you still have problems with your Bug, either visit the support section of our website at [www.thebug.com](http://www.thebug.com) or contact us using the details on the back cover of this manual.

### **My Bug's not making any noise**

Make sure your Bug is plugged in and is switched on as explained on page 12.

Check that the volume level is not set too low, see page 14.

Check that the aerial is connected and you have done an Autotune to find digital radio stations as explained on page 14.

### **My Bug says 'No stations available'**

Check that your aerial is connected and extended.

Use the Autotune facility to search for stations, see page 14.

Try moving your Bug to find better reception.

### **My Bug is 'burbling'**

Although DAB is excellent at providing quality audio from very little signal, the quality can suffer if the signal strength is too low. If that happens, a 'burbling' sound can sometimes be heard. Make sure your aerial is fully extended and try moving your Bug to find better reception.

### **I can't record to my SD card**

Try formatting your SD card especially if it has not been used in your Bug before, see page 25.

Remove the card and check that the small lock switch on the card is not on.

Check that the card is not full using the SD card manager, see page 25.

## Resetting your Bug

If you want to remove all presets, stored stations and favourite station settings and reset all options to the defaults use this option.

1. Press and hold the Menu button for three seconds. You'll see 'Do you want to reset?' on screen.
2. Press the 'Yes' shortcut button to confirm the reset or press 'No' or wait around ten seconds to cancel the reset.

## Warranty information

Imagination Technologies Ltd. warrants to the end user that this product will be free from defects in materials and workmanship in the course of normal use for a period of two years from the date of purchase. This guarantee covers breakdowns due to manufacturing or design faults; it does not apply in cases such as accidental damage, however caused, wear and tear, negligence, adjustment, modification or repair not authorised by us. Please return your warranty card or register online to validate your warranty. Should you have a problem with your unit please contact your supplier or contact PURE Digital Support at the address on the rear cover of this manual.

## Providing for your Bug

PURE Digital will be providing accessories for the Bug - keep an eye on [www.thebug.com](http://www.thebug.com).





## Vital Statistics

Techie facts and figures to impress your friends

## Specifications

|                        |   |
|------------------------|---|
| <b>Description</b>     | Stereo digital radio with full Band III reception capability, for reception of all UK DAB broadcasts. Compliant with ETS 300 401 and capable of decoding all DAB transmission modes 1-4 up to and including 384 kbps                          |
| <b>Speakers</b>        | Two 3 inch X 1.5 inch oval, 4 ohm impedance   |
| <b>Frequency Range</b> | Band III (174 - 240 MHz), with fast autotune feature  |
| <b>Connectors</b>      | RF F-connector 75 ohm for DAB aerial connection (telescopic aerial supplied). 9V DC power adapter socket. 3.5mm sockets for stereo analogue audio output and headphones. USB connector. SD card slot. Optical out (S/PDIF) toslink connector. |
| <b>Controls</b>        | Navigator includes volume and standby functions. Menu, Autotune, Record, Info and ReVu/Snooze. Six context-sensitive shortcut buttons on head.  |
| <b>LCD Display</b>     | High visibility backlit fully graphical blue/white (122x32 pixel) LCD display.  |
| <b>Power supply</b>    | 230V AC to 9V DC external power adapter supplied.   |
| <b>Approvals</b>       | CE marked. Compliant with the EMC and Low Voltage Directives (89/336/EEC and 73/23/EEC)   |
| <b>Dimensions</b>      | 285mm (width) x 250mm (height) x 210mm (depth)  |





Digital Audio Broadcasting

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**Please return your registration card to the following address or register online at [www.thebug.com](http://www.thebug.com) to validate your warranty.**

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