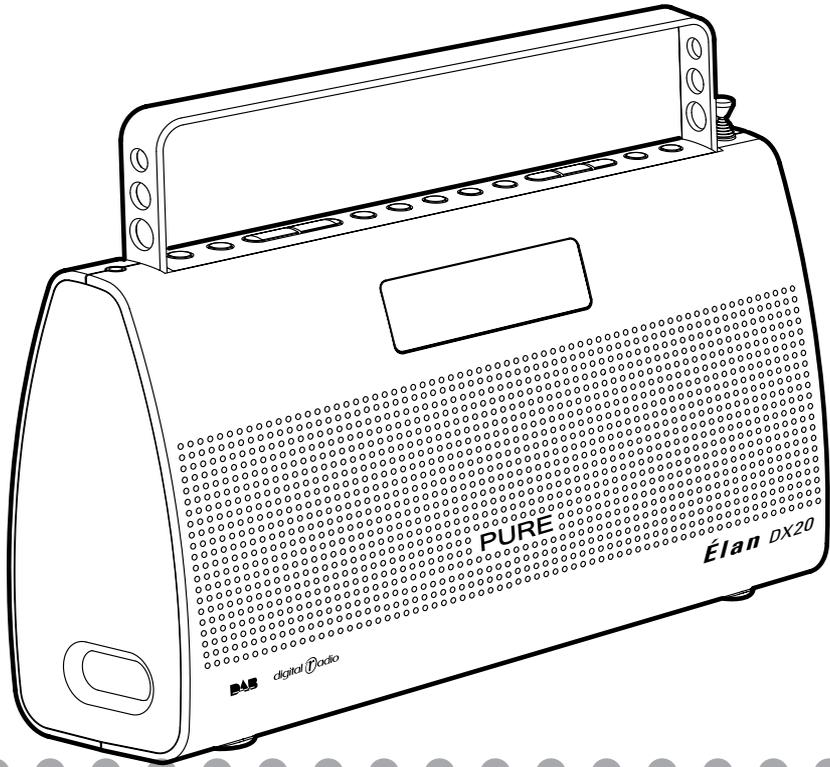


PURE

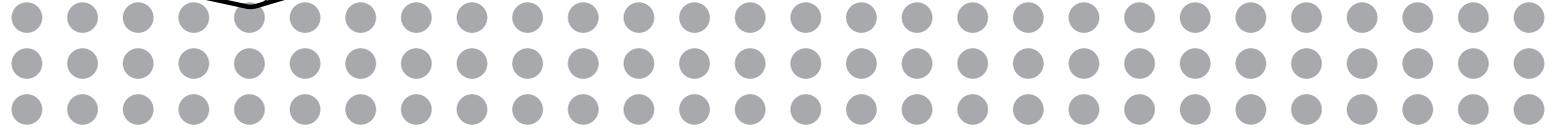
Élan DX20

Owner's Manual



DAB
Digital Audio Broadcasting

digital **T**radio



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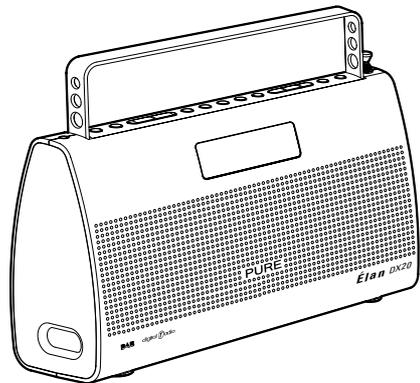
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Introduction



Thank you for buying the PURE Élan DX20 portable stereo DAB radio.

This manual provides guidance on using your radio and what to do if you have problems.

Please take a minute or two to read through this manual to help you get the most out of your radio, read the safety instructions below, and register your product on our website at www.pure.com/register or by filling in and returning your warranty card.



Safety instructions

Keep the radio away from heat sources.

Do not use the radio near water.

Avoid objects or liquids getting into the radio.

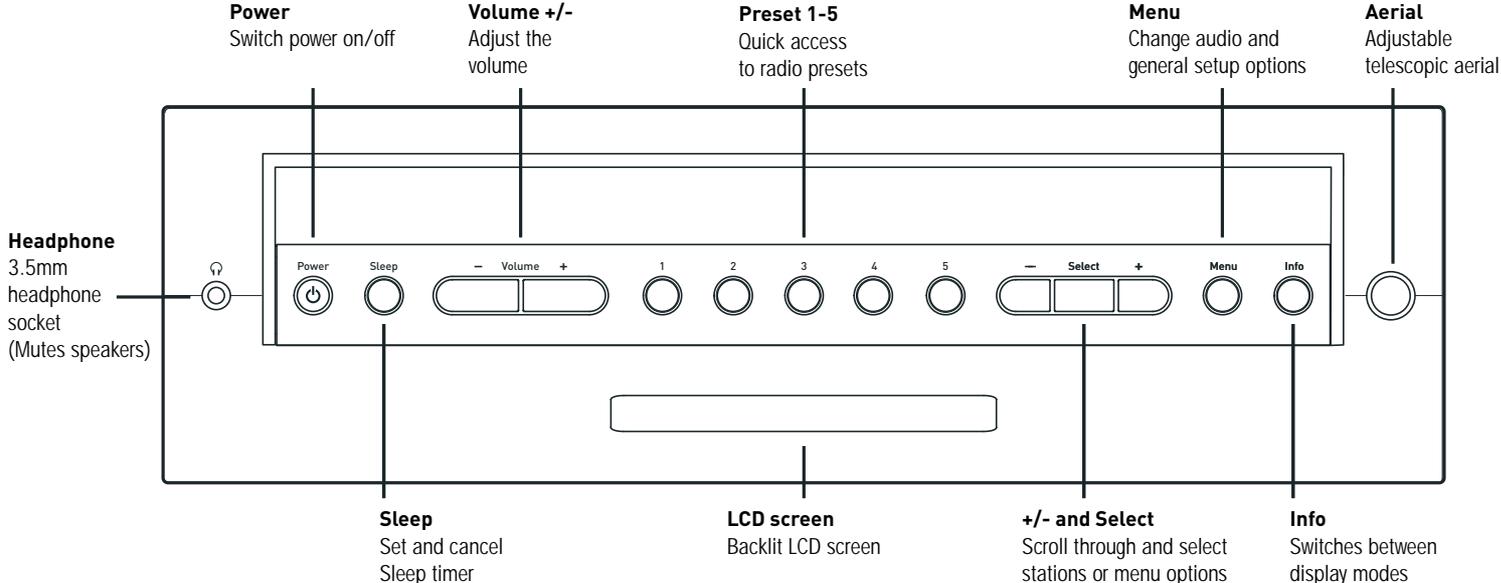
Do not remove screws from or open the radio casing.

Remove batteries if exhausted or if they will not be used again for a long period.

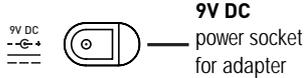
Use only the supplied 9V power adapter if connecting the radio to the mains.

Overview diagrams

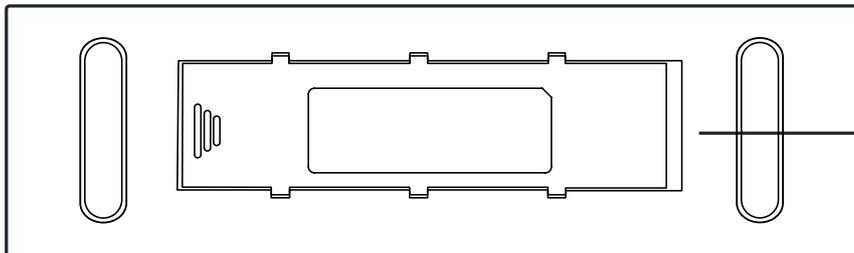
Top panel - controls and connectors



Rear panel - connector

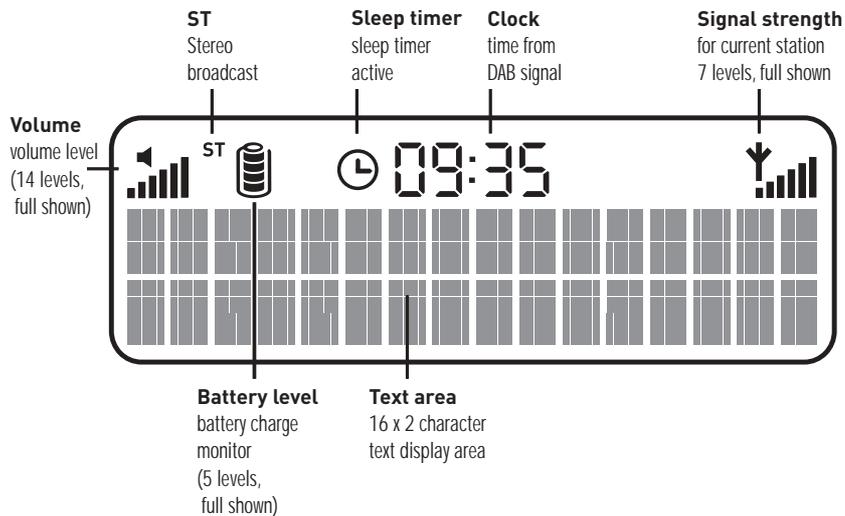


Base panel



Battery compartment
Takes 6 size 'C' batteries.
Slide cover and lift off.

LCD screen



Getting started

Here's how to get up and running quickly using your Élan DX20.

- 1 Fully extend the telescopic aerial, connect the mains adapter and plug in to your power supply or fit six size 'C' batteries. The LCD lights up, the display shows 'PURE Élan DX20' and a progress bar on the bottom line indicates the progress of a full autotune to find the DAB stations available in your area. The number of stations found is displayed, they are stored in alphanumeric order and the first station on the list is selected.
- 2 Adjust the volume if required.
- 3 Use the +/- buttons to see all the stations available. Push Select to change to another station.
- 4 Push the Info button and repeat to cycle through the optional display modes.

Switching on and off

When you first plug in or put batteries in your Élan DX20 it will switch itself on as described above.

To switch on at any other time press the Power button.

To switch your Élan DX20 from on to standby press the Power button. In standby state your Élan DX20 uses a very small amount of power from the mains or batteries.

Note To switch off your Élan DX20 completely, unplug the power adapter and remove the batteries. Your preset stations and other settings will be saved.

Listening to DAB

If this is the first time you have switched your radio on, or you have just completed an autotune, you hear the first station on the list, otherwise you hear the last station you were listening to.

Changing stations

Change stations using the +/- and Select button or by pressing a numbered preset button.

1. Press the + or - buttons to scroll through the list and find the station you want.
The current station is shown at the top of the screen.
2. Press the Select button to change the station.

A station with '?' before its name is currently unavailable either because you have lost reception or the station is not currently broadcasting. You can use the 'Trim stn. list' option to remove them from the station list, see page 8.

Using presets

The numbered preset buttons enable you to assign up to five stations to presets for easy one-touch access. You can also automatically transfer your five favourite stations to presets, see *Station order* on page 7.

You can store a station to a preset while listening to it or when you see the station name at the bottom of the screen while scrolling through the station list. Press and hold down a numbered button to store the station under that number.

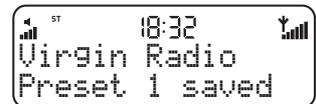
When you save a station as a preset, the station name shows the preset number next to it on the station list. To recall a preset press the relevant numbered button.



Default screen



Changing stations



Storing a preset



Info mode - Scrolling text



Info mode - Time and date



Info mode - Channel and frequency

Changing the information on the screen

Press the Info button to change what you see on the bottom line of the screen.

- Scrolling text** The default mode, broadcast by most stations.
- Program type** Type of content being broadcast.
- Multiplex** Multiplex the current station belongs to. Multiplexes, sometimes called ensembles, are groups of stations owned and broadcast by a single operator.
- Time and date** Time and date updated regularly from the current multiplex. If your radio has been unplugged there may be a slight delay before the time appears when you switch on.
- Channel** Multiplex channel and frequency.
- Mode** Stereo or mono indicator and data rate at which the signal is being transmitted. This rate is set by the broadcaster to suit the type of material. Higher rates generally mean higher quality.
- Signal quality** Signal quality. As a guide, values from 85 to 100 indicate good reception, 70 to 84 borderline reception and 0 to 69 poor reception.

Setup options

Press the Menu button, scroll using the +/- buttons and push Select to choose one of the following setup options.

LCD backlight

Change whether the screen backlight stays on all the time or remains on only for a short period after a button is pressed.

Press the +/- buttons to view the options and push Select to choose one:

5 seconds Backlight will turn on when a button is pressed and turn off again after no button has been pressed for around five seconds. This setting is recommended if you are using batteries.

Always on Backlight will remain on all the time.

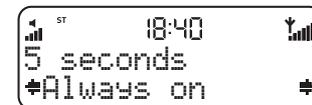
Station order

Changes the order of stations on your station list. Use the +/- buttons to scroll through the following options and push Select to choose one:

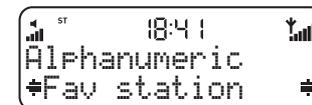
Alphanumeric Displays all stations in alphanumeric order.

Fav station Displays your five most listened to stations at the top of the station list and the rest below, in alphanumeric order. Your favourite stations are displayed with a ♥ next to their names.

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 the station list but not currently available, marked with a '?'.



LCD backlight options



Station order menu

Multiplex

Lists stations in groups according to their multiplex. Multiplexes, sometimes called ensembles, are groups of stations owned and broadcast by a single operator.

Trim stn. list

Removes inactive stations from the station list.

♥ → presets

Available only when Fav station order (above) has been selected. Transfers your favourite stations to the five presets.

Autotune UK

Scans all UK frequencies for DAB stations and adds any new ones to the station list.

Autotune full

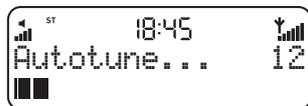
Scans the full range of digital frequencies in Band III. This option is for use outside the UK where other Band III stations may be available.

Manual tune

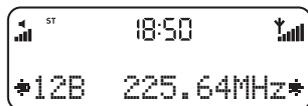
Shows signal level which you can use to find the best position for your radio and aerial.

1. Use the +/- buttons to scroll through different channels and push Select to choose one (UK stations are in channels 11B to 12D). You see a signal level display. The empty block indicates the minimum required level for reception and the filled blocks indicate the current level.
2. Move your aerial while watching the display and to try to raise the current level to the empty block or beyond. Once you have a good signal the display will show the multiplex name and add the stations in that multiplex to the station list.
3. Push the Menu button to exit or +/- and Select buttons to change channel.

Note You can display the signal level at any time by pushing the Select button.



Autotune UK Band III option



Manual tune - channel



Manual tune - low signal



Manual tune - good signal

DRC value

DRC (Dynamic Range Control) value makes the quieter sounds in a broadcast easier to hear at low volume or in a noisy environment. The DRC level of a broadcast is set by the station and sent with the signal. At the time of writing in the UK only BBC Radio 3 and 4 regularly use DRC. Check with the broadcasters to find out if they use DRC on their stations. Press the +/- buttons to scroll through the following options and push Select to choose one:

DRC 0 DRC is switched off. Any DRC level broadcast will be ignored.

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

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



DRC value

Sw version

Displays the version of the software in your radio. You may be asked to quote this if you contact Technical Support.



Software version



Sleep Timer - setting



Sleep Timer - set icon



Sleep Timer - time remaining



Sleep Timer - switching off

Using the Sleep timer

You can set a Sleep timer after which Élan DX20 will switch itself into standby mode, ideal if you want to fall asleep listening to the radio.

Set the sleep timer

Press the Sleep button and repeat to choose between 15, 30, 45, 60 or 90 minutes or select Sleep off to set no sleep time.

Leave your unit for a couple of seconds to return to what you were listening to. You will see the Sleep Timer icon displayed on screen indicating that the timer is set.

Press the Sleep button again to view the time remaining until Élan DX20 will switch off or to change the sleep time.

Cancel the sleep timer

Press the Sleep button, you will see the remaining time. Press again and repeat until the Sleep off option is selected. In a couple of seconds Élan DX20 will return to what you were listening to, with sleep timer cancelled.

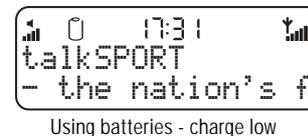
Using batteries

To use battery power as an alternative to a mains power supply, slide and lift off the battery compartment cover on the base and insert six size 'C' batteries. The label inside the compartment shows the correct way to insert the batteries.

When using batteries the Battery Charge monitor icon on the screen shows the charge remaining in the batteries.

If you use rechargeable batteries (NiMh or NiCd), connecting the unit to the mains will not recharge the batteries. Use a separate charger such as the BC-CD6 battery charger available from PURE to recharge your batteries.

The battery supply is switched off when your Élan DX20 is connected to the mains. To switch to battery supply remove the power adapter plug from the rear of the unit.



Hints and Tips

<</>> Secondary services

Secondary services accompany some stations, providing extra information or alternative content and may only be broadcast at certain times. At the time of writing not many secondary services are available. If a station has secondary services available, the station shows '>>' next to its name in the station list and the secondary service appears next to the station in the list. A secondary service has a '<<' before its name in the station list.

(?) Inactive or unavailable stations

Inactive or unavailable stations are those which appear on the station list but are not currently available because either you are outside the broadcast area, have lost reception or the station is not currently broadcasting. Unavailable stations have a '?' before their name on the station list. If you select a station which has this symbol, Élan DX20 returns to the last station you were listening to.

I hear a 'burbling' sound on some stations

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. To help reduce this, check that your aerial is fully extended and upright. If the problem persists try moving your radio or repositioning your aerial using manual tuning.

Display says 'No stations available'

Check that your aerial is fully extended. Use Autotune to search for stations. Use manual tuning to adjust your aerial or radio position.

Clock shows the wrong time

This may happen if the multiplex you are tuned to broadcasts an incorrect time signal, try tuning to a station in another multiplex.

Resetting your radio

Resetting your Élan DX20 removes all presets, stored stations and favourite station settings and resets all options to defaults. To reset:

1. Press and hold the Menu button for three seconds. The screen shows 'Press Select to confirm reset'.
2. Push the Select button to confirm the reset or press no buttons to cancel the reset.

Technical Specifications

General	Stereo DAB digital radio with full Band III DAB reception capability, for reception of all UK DAB broadcasts. Fully compliant with ETS 300 401 and capable of decoding all DAB transmission modes 1-4 up to and including 256 kbps.
Speakers	Two full-range 3 inch drive units
Frequency range	Band III (174-240 MHz), with fast Autotune feature
Aerial	Integral telescopic aerial
Input connectors	9V DC power adapter socket (230V adapter supplied)
Output connectors	3.5mm socket for headphones
LCD display	Custom, easy to read LCD with 16 x 2 character display plus status icons.
Mains power supply	230V AC to 9V DC external power adapter
Battery power	6 size 'C' batteries. Battery life up to 30 hours at normal listening levels. Ultra low-power standby mode.
Approvals	CE marked. Compliant with the EMC and Low Voltage Directives (89/336/EEC and 73/23/EEC)
Dimensions	280 mm (width) x 168 mm (height) x 80 mm (depth)

www.pure.com



PURE Digital, Imagination Technologies Ltd., Imagination House, Home Park Estate, Kings Langley, Herts, WD4 8LZ, UK



+44 (0)1923 277477 support
+44 (0)1923 277488 sales



+44 (0)1923 270188



support@pure.com
sales@pure.com

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