

DRX-702ES

Owner's manual **GB**

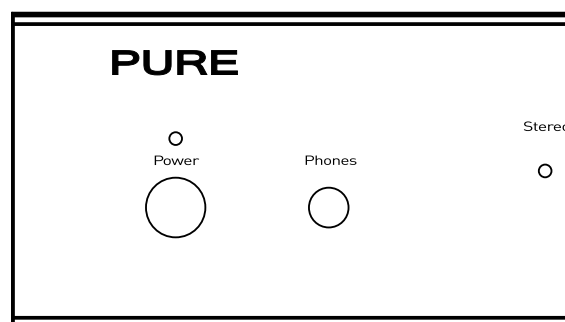
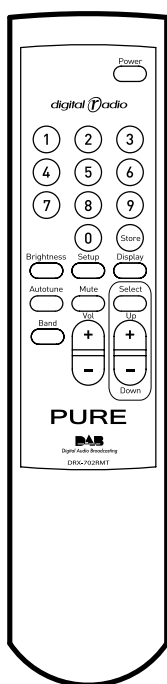
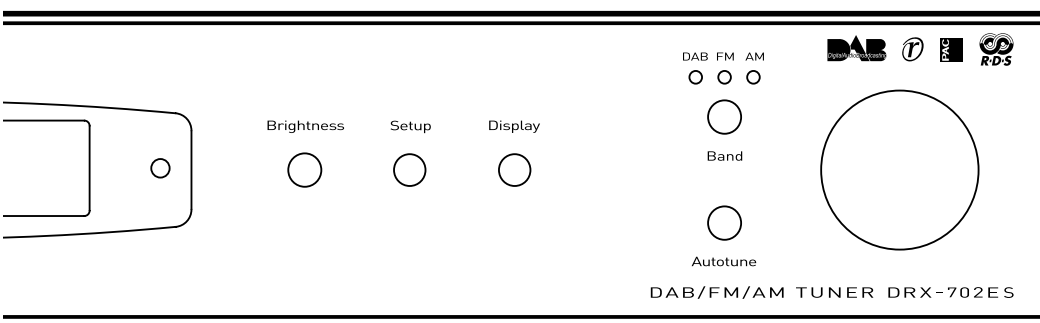
Mode d'emploi **F**

Benutzerhandbuch **D**

Manual del propietario **E**

Bruksanvisning **S**

Betjeningsvejledning **DK**



PURE

DIGITAL

Safety instructions

Keep the unit away from heat sources.

Do not expose this unit to splashing or dripping.

Ensure that no objects filled with liquids such as vases are placed on the unit.

Unplug the power lead if the unit will not be used for a long period.

Instrucciones de seguridad

Mantenga el equipo alejado de toda fuente de calor.

Evite que el equipo reciba salpicaduras o vertidos de líquidos.

No coloque sobre el equipo objetos que contengan líquidos, como jarrones, por ejemplo.

Desenchufe el cable de alimentación si no va a usar el equipo durante largos períodos de tiempo.

Mains safety



The unit uses a 220-240V AC 50 Hz power supply.

Connect only to a mains socket with an earth connection.

When replacing the fuse in the supplied moulded mains plug, always refit the integral fuse holder/cover. Always fit a 3 amp fuse either in the plug or adapter, or at the distribution board.

Do not attempt to remove any screws or open the unit. No user serviceable parts are inside.

For your safety, always obey the warning:

CAUTION - RISK OF ELECTRIC SHOCK - DO NOT OPEN COVER

Seguridad de la red eléctrica.



El equipo funciona con una fuente de alimentación de 220-240 V CA, 50 Hz.

Conecte únicamente a una toma de corriente provista de conexión a tierra.

No intente extraer tornillos ni abrir el equipo. El interior no contiene piezas susceptibles de reparación.

Por su propia seguridad, preste siempre atención al aviso:

PRECAUCIÓN - RIESGO DE DESCARGA ELÉCTRICA - NO ABRIR TAPA

Avertissement

Ne pas placer l'appareil à proximité d'une source de chaleur.

Ne pas exposer l'appareil à la pluie ou à l'humidité.

Ne pas placer d'objets remplis de liquides, tels qu'un vase, sur l'appareil.

Débrancher le câble d'alimentation de l'appareil en cas de non utilisation prolongée.

Säkerhetsföreskrifter

Håll enheten på avstånd från värmekällor.

Utsätt inte enheten för stänkande eller droppande vatten.

Placera inte föremål som innehåller vätska (exempelvis vaser) på enheten.

Koppla bort nätsladden om enheten inte ska användas på länge.

Consignes de sécurité



L'appareil est alimenté en courant alternatif 220-240 V 50 Hz.

Connecter l'appareil à une prise reliée à la terre uniquement.

Ne pas tenter de retirer des vis ou d'ouvrir l'appareil. Il ne contient aucune pièce pouvant être réparée par l'utilisateur.

Par mesure de sécurité, respecter l'avertissement :

ATTENTION - RISQUE D'ELECTROCUTION - NE PAS OUVRIR LE COFFRET

Säker strömförbrukning



Enhetens strömkälla är 220-240V växelström 50 Hz.

Anslut endast till jordade uttag.

Lossa inte på några skruvar och försök inte att öppna enheten på något sätt. Enheten innehåller inte några delar som kräver underhåll.

Lyd alltid följande säkerhetsvarning:

FARA - RISK FÖR ELCHOCK - ÖPPNA INTE SKYDDET

Sicherheitshinweise

Halten Sie das Gerät fern von Wärmequellen.

Setzen Sie das Gerät nicht spritzendem oder tropfendem Wasser aus.

Stellen Sie sicher, dass keine mit Flüssigkeiten gefüllten Objekte wie Vasen auf das Gerät gestellt werden.

Wenn Sie das Gerät über einen längeren Zeitraum nicht benutzen, trennen Sie das

Sikkerhedsinstruktioner

Opbevar enheden på afstand fra varmekilder.

Udsæt ikke enheden for stænk eller dryppende væsker.

Undgå at placere genstande fyldt med væsker, f.eks. vaser, oven på enheden.

Tag ledningen ud af stikkontakten, hvis enheden ikke skal bruges i en længere periode.

Netzversorgungssicherheit



Das Gerät verwendet eine 220-240V AC 50 Hz-Stromversorgung.

Schließen Sie das Gerät nur an eine Steckdose mit Erdanschluss an.

Versuchen Sie nicht, Schrauben zu entfernen oder das Gerät zu öffnen. Es befinden sich keine Teile im Inneren, die gewartet werden müssten.

Beachten Sie zu Ihrer eigenen Sicherheit immer diese Warnungen:

WARNUNG - ELEKTROSTOCKGEFAHR - NICHT DEN DECKEL ABNEHMEN

Strømsikkerhed



Enheden skal anvendes sammen med en strømforsyning på 220-240 V vekselstrøm, 50 Hz.

Tilslut kun enheden til en stikkontakt med jordforbindelse.

Forsøg ikke at afmontere skruer eller åbne enheden. Enheden indeholder ikke dele, som brugeren selv kan reparere.

Overhold for din egen sikkerheds skyld altid advarslen:

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Introduction

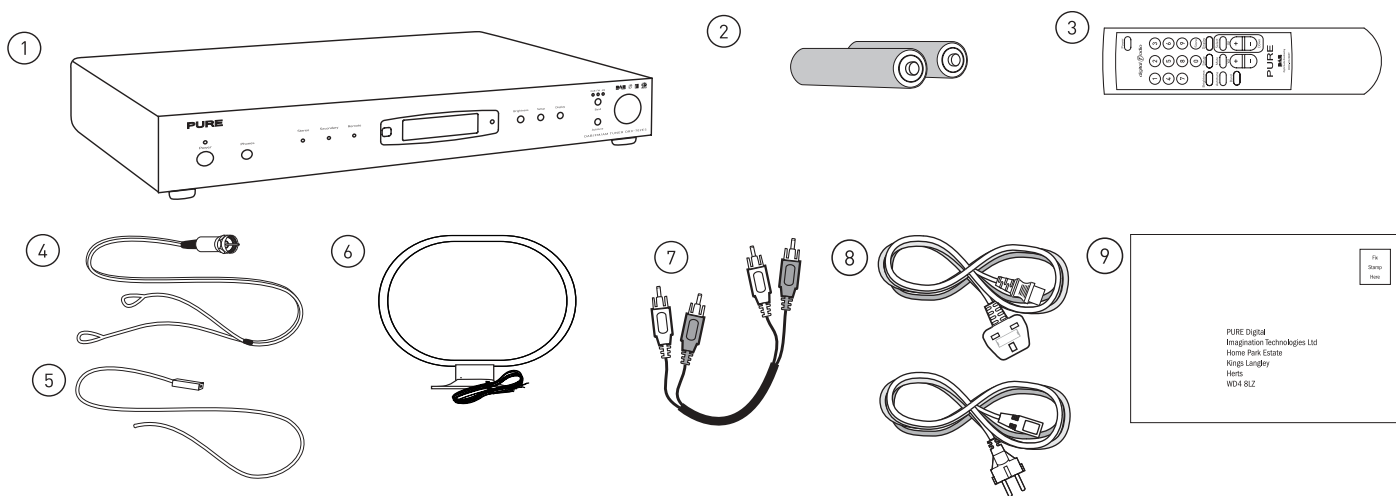
Thank you for choosing the PURE DRX-702ES DAB Digital radio and FM/AM tuner.

This manual provides information on setting up your unit, instructions on using it and details of the accessories and support available.

The DRX-702ES has a range of input and output sockets including: dual phono for stereo analogue audio output to your amplifier; coaxial and optical S/PDIF digital output (48 kHz) for direct digital recording to MiniDisc, CD-R or DAT; Auxiliary line-level input with auto pass-through to output at power off; optical RDI data output connector, headphone socket and USB port.

Unpacking

This section lists the contents of your DRX-702ES package. Contact us if any items are missing or damaged.



- ① DRX-702ES unit
- ② Two AA batteries for the remote control
- ③ Infrared remote control handset
- ④ DAB ribbon indoor aerial
- ⑤ FM ribbon aerial
- ⑥ AM loop aerial
- ⑦ Stereo phono to stereo phono cable
- ⑧ Power cable with moulded UK 3-pin (3A fused) plug or European 2-pin plug
- ⑨ Warranty registration card

Quick start

This section provides information on how to set up and start using your DRX-702ES in DAB mode. For further details on using your radio see *Using your DRX-702ES*, page 5.

1. Connect your aerials, amplifier and power lead.
2. Plug in to your power supply and switch on at the wall.
3. Push the **Power** button to switch the unit on. The LCD lights up, the display shows 'PURE DRX-702ES' and the bottom line indicates the progress of a Band III and L-band DAB autotune to find the stations available in your area, see *Tuning for the first time*, page 5.
4. You will also be asked if you want to perform an FM Autotune, see page 8 for details.
5. Adjust the **Volume** control on your remote control or amplifier if necessary to hear the station.
6. Turn the large tuning knob to see all the stations stored and push to select and listen to another station, see *Selecting a station*, page 6
7. You can change the display language on your unit from the default English, see page 7 for details.

Setting up

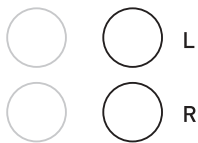
This section provides information on connecting your DRX-702ES to your hi-fi and connecting your aerial.

⚠ Before connecting other devices to your DRX-702ES, switch both devices off. This helps prevent electrical charge damage.

You may also want to peel off the protective film from the LCD display panel at this stage.

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INPUT OUTPUT

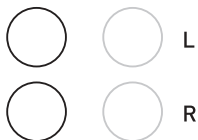


Connecting to your amplifier

To get sound from your DRX-702ES you need to connect it to an amplifier. This may be a stand alone unit or it may be built into your existing hi-fi system or powered speakers. Connect the (L)eft and (R)ight **OUTPUT** sockets to the Tuner-in sockets on the back of your amplifier using the supplied stereo phono cable.

Note You can also use **S/PDIF** or **BALANCED OUTPUT** if your amplifier has the appropriate connectors, see below.

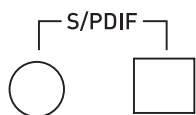
INPUT OUTPUT



Connecting to an auxiliary source

If you have a CD player, or other auxiliary device, you can connect it through your DRX-702ES to reduce the number of connections to your amplifier. The auxiliary device output will then be passed through the analogue outputs to your amplifier when your DRX-702ES is switched to standby or off.

Connect the (L)eft and (R)ight **INPUT** sockets to the output sockets on the back of your auxiliary device using a stereo phono cable.



Connecting to digital devices

Your DRX-702ES can provide digital audio output (DAB only) for connection to the digital input on your amplifier or digital devices such as MiniDiscs, CD-Rs or DAT recorders.

Connect the coaxial **S/PDIF** or the optical **S/PDIF** socket to the digital-in socket on your digital device using a suitable cable. Connecting cables are available from PURE Digital, see *Accessories*, page 11.

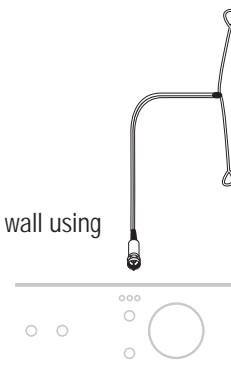


Connecting the aerials

You need to connect either the supplied aerials or alternatives to receive radio transmissions.

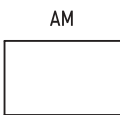
Connecting the DAB aerial

1. Screw the aerial plug onto the F-type **DAB** connector.
2. For the best reception, if using the indoor aerial supplied, attach the aerial horizontally to a wall using some adhesive tape and extend the arms on the end of the aerial wire vertically into a 'T' shape on its side, as illustrated.



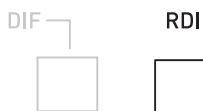
Connecting the FM aerial

1. Push the aerial plug onto the **FM** connector
2. For the best reception, if using the indoor aerial supplied, attach the aerial vertically to a wall using some adhesive tape.



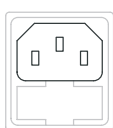
Connecting the AM loop aerial

1. Hold down the **AM** spring connectors and insert the bare ends of the wire into the clips.
2. Clip the loop antenna into the base and stand the aerial on or behind your unit



Connecting to an external DAB decoder

The **RDI** (Receiver Data Interface) optical connector provides access to raw DAB multiplex data. This may be used in the future to connect to an external decoder or computer for access to extra services. These services may not currently be available in your area.



Connecting to the power supply

Once all audio connections are complete, as described above, connect the power cable to the power socket on the rear panel of your DRX-702ES and the other end to a wall power outlet.

Phones



Connecting to headphones

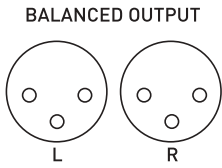
The **Phones** socket on the front panel of your DRX-702ES enables you to plug in and use a pair of headphones instead of using an external amplifier.



Connecting to a USB device

The **USB** connector enables you to perform software upgrades. Fill in the appropriate section of your warranty card to automatically receive details of when software upgrades are available and instructions on how to install them. Alternatively, you can check our website for the latest information.

Connecting using the Balanced Outputs



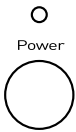
The optional-fit balanced outputs enable you to use high quality, low interference XLR connections between your DRX-702ES and your amplifier. Ideally when connecting to these outputs you should ensure that your DRX-702ES is switched on but that your amplifier is not switched on. If you want to use balanced outputs your unit does not already have them fitted contact your dealer or PURE Digital for information on the Balanced Outputs upgrade.

Connect the **(L)**eft and **(R)**ight **BALANCED OUTPUT** sockets to the balanced input sockets on your amplifier using a suitable XLR cable.

Using your DRX-702ES

This section provides information on using your DRX-702ES in DAB, FM and AM modes. Topics include tuning, selecting stations and altering the displayed information.

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Switching on and off

Before switching on for the first time, check all connections and ensure that the volume on your amplifier is low. Push the **Power** button to switch the unit on or off. The **Power** LED will light up when the unit is on.



Changing the display brightness

The DRX-702ES has eight levels of brightness which you can alter to suit the light level in your room. The lowest level turns off the LCD backlight and the **Stereo**, **Secondary** and **Remote** LEDs.

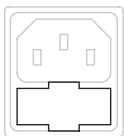
Press the **Brightness** button and repeat to cycle through the eight brightness levels.



Resetting your DRX-702ES

A reset option is provided to enable you to reset your unit. This removes all presets, stored stations and favourite station settings and resets all options to defaults. To select the reset option:

1. Press and hold the **Setup** button for more than two seconds. The display will show 'Press Select to confirm reset'
2. Press the tuning knob to confirm the reset or press no buttons for around seven seconds to cancel the reset.



Replacing the fuse

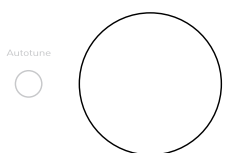
Your DRX-702ES has a replaceable 125mA fuse situated below the power socket on the rear panel. A spare fuse is provided in the fuse drawer. To replace the fuse:

1. Switch off your DRX-702ES at the wall and remove the power cable from the socket on the rear panel.
2. Pull out the fuse drawer below the power socket and remove the inner most fuse and replace with the spare fuse in the drawer or another of the same size and rating as specified on the rear panel of your DRX-702ES.
3. Close the drawer and re-attach the power cable.



Using DAB mode

DAB mode is the default mode for your DRX-702ES which is entered when you first power up your unit. When you next switch on your unit will return to the mode selected when you turned the unit off. To select DAB mode at any time push the **Band** button on the unit or on the remote until the **DAB** LED lights up on the front panel.



Autotuning

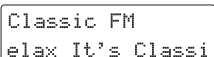
Tuning the DRX-702ES in DAB mode is very simple. When you first switch on the unit it will start an automatic tuning process described below in *Tuning for the first time*. You may want to re-tune the unit at a later date if you move the unit or if you want to receive a newly introduced multiplex – see *Retuning your unit* on page 6.

Tuning for the first time

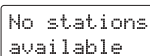


When you switch on your DRX-702ES for the first time an autotune process will be performed automatically. The autotune scans Band III and L-band frequencies. A progress indicator on the display shows that autotune is underway.

If stations are found during the autotune



The stations will be stored in alphanumeric order and you will be asked if you want to additionally perform an FM Autotune, see page 8 for details. If you do not want to perform an FM Autotune, leave the unit for a few seconds and it will return to DAB mode. The first DAB station on the list will be selected and you will hear it through your speakers. To listen to other stations, see *Selecting a station* on page 6.



If no stations are found during the autotune

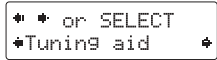
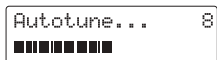
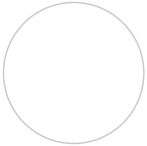
'No stations available' will be shown on the display for a few seconds and then you see a menu of options. Use the large tuning knob to scroll through the following options and push it to select that option.

Tuning aid - See *Tuning aid*, page 7, for details of using the tuning aid to improve reception.

Autotune local - See *Retuning your unit* on page 6 for details of the local autotune option.

Autotune full - See *Retuning your unit* on page 6 for details of the full autotune option.

Autotune



Retuning your unit

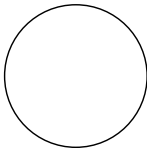
You can re-tune your unit at any time using the autotune process. You may wish to do this if a new DAB multiplex is launched or you move your unit. You do not need to perform an autotune to pick up new stations within a multiplex you already have stored as your DRX-702ES monitors and refreshes the list of available stations automatically when you tune to a station within that multiplex.

1. Ensure your DRX-702ES is switched on and the DAB aerial is connected and positioned correctly.
2. Push and release the **Autotune** button once for local scan (UK band III) or hold down for around two seconds for a full scan (Full band III and L-band). **Note** You can cancel the autotune by pushing the **Autotune** button again.

The display will indicate tuning is underway and show the number of stations found on the top line. When finished, the DRX-702ES will return to the station you were listening to and you will hear it through your speakers. All the stations found are now stored in the unit and you can select another station as described in *Selecting a station* on page 6.

If no stations are found, you see the message 'No stations available' and the display shows an option menu, see *If no stations are found during the autotune* on page 5 for details of this menu. Check your aerial is securely connected and correctly positioned and try one of the available tuning options.

Autotune

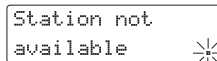
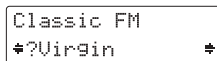
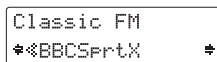
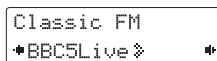


Selecting a DAB station

Once you have tuned your DRX-702ES you can use the large turn-and-push tuning knob to select digital radio stations.

1. The top line of the display shows the name of the currently selected station. Rotate the tuning knob to scroll through the names of other stored stations on the bottom line of the display. Stop when you find the station you want.
2. Push and release the tuning knob to listen to the station you have selected. The display may show 'Now tuning...' briefly as it finds the new station.

If the station you select is in stereo, the **Stereo** LED will light up.

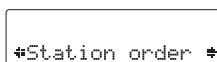


If a station has one or more secondary services available the display will show '>>' next to the station name while you are scrolling the station list and they will appear after the primary service as you turn the tuning knob. The **Secondary** LED will light up when you select the station. Secondary services accompany some primary services, providing extra information or alternative content and may only be broadcast at certain times.

A secondary service will display '<<' before the station name while you are scrolling the station list indicating that it belongs to the primary service before it in the list. The **Secondary** LED will light up when you select the station.

If the station has '?' before its name the station is currently inactive or not obtainable. If you select a station which has this symbol the DRX-702ES tries to tune to that station. If still unavailable 'Station not available' or 'Station off-air' will be displayed and your DRX-702ES will attempt to tune to an alternative station. A flashing cursor will indicate that this is underway. If you want to try to manually tune to this station you have five seconds after the above messages in which to push the tuning knob and see the tuning aid, see *Tuning aid*, page 7.

Brightness Setup Display



Advanced DAB setup options


The DRX-702ES has a number of setup options which you can use to change the way your unit operates in DAB mode. Press the **Setup** button to enter the setup menu, turn the tuning knob to scroll through the following options and push to select one.

Station Order

This option enables you to choose the order in which stations appear as you scroll through the station list.


When you select this option you see the currently selected order on the top row of the display and a scroll list on the bottom. Turn the tuning knob to scroll through and push to select the following options:

Alphanumeric Displays all stations in alphanumeric order. This is the default setting.

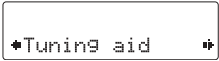
Fav station Displays the ten most listened to stations at the top of the station list in alphanumeric order and the rest below in alphanumeric order. Your favourite stations will be displayed with a  next to the station name when you scroll through the station list.

Active station Displays active stations at the top of the service list in alphanumeric order and inactive ones at the bottom in alphanumeric order. See *Selecting a station*, above, for information on active stations.

Trim stn. list Removes inactive stations from the station list. See *Selecting a station*, above, for information on active stations.

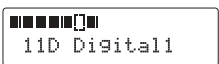
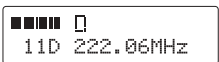
 → **presets** Available only when Fav station order (above) has been selected. Transfers your 10 favourite stations to the presets 1 to 10. See page 10 for information on using presets.

Multiplex Lists stations in groups according to their multiplex.



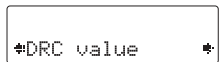
Tuning aid

This option provides a signal level display which you can use to find the best position for your radio and aerial for DAB reception. When you select this option, the bottom line of the display shows the channel identifier and frequency. Each multiplex has a different channel and frequency, contact the multiplex operators for details.



1. Turn the tuning knob to scroll through different channels and push the tuning knob to select one. You see a signal level display. The empty block indicates the minimum required level for reception and the solid blocks indicate the current level.
2. Move your aerial whilst watching the display and to try to raise the current level to the empty block or beyond. The display will change to show the multiplex name on the bottom line of the display once a good signal is received and the multiplex will be added to the service list.
3. Push the **Setup** button to exit the tuning aid or turn the tuning knob to select another channel.

Note You can also display the signal level for any station you are listening to by pushing the tuning knob.

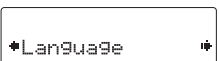


DRC Value

DRC (Dynamic Range Control) enables you to alter the dynamic range of the received audio (dependent on broadcast material) by making the quieter sounds in a broadcast more audible at low volume or in a noisy environment. The DRC level of a broadcast is set by a broadcaster and transmitted with the service. Changing this DRC value enables you to apply a scaling factor to this level.

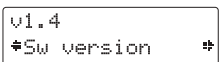
When you select this option you see the current DRC scaling factor on the top line of the display and a scroll list on the bottom. Turn the tuning knob to scroll through and push to select the following options:

- DRC 0 DRC scaling is switched off. This is the default setting.
- DRC 1/2 DRC scaling is set to 1/2 that sent with the transmitted service.
- DRC 1 Applies the DRC scaling as sent with the transmitted service.



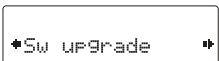
Language

Language enables you to set the display to one of six languages; English, French, German, Spanish, Swedish or Danish. This affects the language of your menu options and programme type information only - broadcast text remains in the language in which it is broadcast. When you select this option you see the current language on the top line of the display and a scroll list on the bottom. Turn the tuning knob to scroll through the languages and push the tuning knob to select one.



Sw version

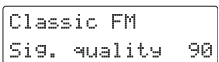
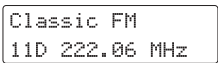
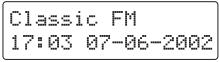
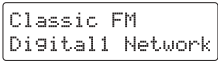
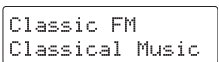
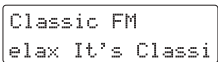
This option enables you to view the version number of the software installed in your DRX-702ES. You may be asked to quote this if you contact PURE Digital technical support for advice. This option can only be viewed, not adjusted.



Sw upgrade

This option enables you to upgrade the software in your DRX-702ES using a PC connected to the USB connection on the rear panel. Fill in the appropriate section of your warranty card to automatically receive details of when software upgrades are available and instructions on how to install them, or check our website for the latest information.

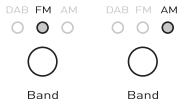
Brightness Setup Display



Changing the DAB display mode

The DRX-702ES has seven display modes which enable you to view different elements of the broadcast data on the bottom line of the display. Press the **Display** button and repeat to cycle through the seven different display modes.

Scrolling text	The default mode, displays scrolling text accompanying the audio, where available.
Program type	A description of the type of content being broadcast by the station.
Multiplex name	The name of the multiplex in which the current station is found. Multiplexes or ensembles are groups of stations broadcast by a multiplex operator.
Date and time	Displays the date and time obtained from the current multiplex.
Channel	Displays the channel identifier and frequency for the station to which you are tuned.
Mode	Displays the mode of the current station, Stereo or Mono, and the data rate at which the audio signal is being transmitted. This rate is set by the broadcaster to suit the type and quality of material being transmitted.
Signal quality	Displays the signal quality for the signal to which you are tuned. As a guide, values from 85 to 100 indicate good reception, 70 to 84 borderline reception and 0 to 69 poor reception. You can attempt to improve signal quality by adjusting your aerial position using the <i>Tuning aid</i> option, explained above.

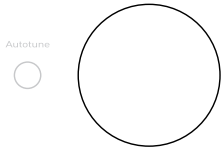


Using FM or AM mode

Push the **Band** button to select FM or AM mode at any time until the **FM** or **AM** LED is lit on the front panel.

Autotuning in FM mode

Your DRX-702ES offers an advanced autotune in FM mode very similar to that used in DAB mode. This automatically scans through the FM frequency range and stores the stations in a station list. You can then scroll through this list as a way of quickly tuning to FM stations. See Tuning options on page 9 for details. When you first switch on the unit it will give you the option to start an FM autotune described below in *Tuning for the first time*. You may want to repeat the autotune at a later date if you move the unit or if you want to add a newly introduced station to the list – see *Retuning your unit in FM mode* below.



Autotune FM?
SELECT=confirm

Tuning FM for the first time

When you switch on your DRX-702ES for the first time a DAB autotune process is performed automatically. Once complete you will be given the option to also perform an FM autotune. The display shows 'Autotune FM? Push the tuning knob to start the FM autotune. A progress indicator on the display shows that autotune is underway.

If stations are found during the autotune

The stations will be stored in alphanumeric order on the FM station list.

If no stations are found during the autotune

'No stations available' will be shown on the display for a few seconds and then you see a menu of options. Use the tuning knob to scroll through the following options and push it to select that option.

Manual tune - Selects the manual tune option, see *Manual tune* below.

Seek tune - Selects the seek tune option, see *Seek tune* below

Autotune FM - Starts an FM Autotune, see *Retuning your unit in FM mode* below.

Retuning your unit in FM mode

You can re-tune your DRX-702ES at any time using the autotune process. You may wish to do this if a new station is introduced or you move your unit.

1. Ensure your DRX-702ES is switched on, the FM aerial is connected and you are in FM mode.
2. Push and release the **Autotune** button to start the autotune scan. You can cancel Autotune by pushing the **Autotune** button again during the tuning process.

The display will indicate tuning is underway. When finished, the DRX-702ES will return to the station you were listening to and you will hear it through your speakers. All the stations found are now stored in the unit and you can select another station as described in *Selecting a station* below.

If no stations are found, you see the message 'No stations available' and the display shows an option menu, see *If no stations are found during the autotune* above for details of this menu. Check your aerial is securely connected and correctly positioned and try one of the available tuning options.

Selecting an FM/AM station

You use the large turn-and-push tuning knob to select radio stations. Three methods of selecting stations are available in FM mode and two in AM mode, you can change the method using the tuning options as described on page 9 or whilst listening to a station by pushing the tuning knob to toggle between available modes.

Manual tune

1. Rotate the tuning knob to scroll through the available frequencies. FM scrolls in 50 kHz steps AM in 9 kHz steps.
2. Stop when you reach the desired frequency. You now hear the station and if the station has an RDS name (FM only) or manually entered name it will be shown on the display.

Seek tune

Rotate the tuning knob one or two clicks to start a frequency search in the direction you turned the knob. When the next station is found the search will stop. You now hear the station and if the station has an RDS name (FM only) or manually entered name it will be shown on the display.

Tune by name (FM mode only)

1. The top line of the display shows the currently selected station. Rotate the tuning knob to scroll through the names of other stored stations on the bottom line of the display. Stop when you find the station you want.
2. Push and release the tuning knob to listen to the station you have selected. The display may show 'Now tuning...' briefly as it tunes to the new station.

Advanced FM/AM setup options

The DRX-702ES has a number of setup options which you can use to change the way your unit operates in FM or AM mode. Press the **Setup** button to enter the setup menu, turn the tuning knob to scroll through the following options and push to select one. The language, software version and software upgrade options are the same as in DAB mode, see page 7.

Tuning options


This option enables you to choose one of three tuning methods available. When you select this option you see the currently selected option on the top row of the display and a scroll list on the bottom. Turn the tuning knob to scroll through the following options and push to select one:

Manual tune	Enables you to manually increase or decrease the frequency in steps across the FM or AM band.
Seek tune	Enables you to start a frequency search in the direction you rotate the tuning knob. When the next station is found the search will automatically stop at that station.
Station name	Enables you to scroll through and select from a list of named stations (RDS or manually named stations). This option is only available in FM mode after performing an FM autotune, see page 8.

Station order

This option enables you to choose the order in which stations appear as you scroll through the FM station list. This option is only available in FM mode after performing an FM autotune, see page 8.



When you select this option you see the currently selected order on the top row of the display and a scroll list on the bottom. Turn the tuning knob to scroll through the following options and push to select one:

Alphanumeric	Displays all stations in alphanumeric order. This is the default setting.
Fav station	Displays the ten most listened to stations at the top of the station list in alphanumeric order and the rest below in alphanumeric order. Your favourite stations will be displayed with a  next to the station name when you scroll through the station list.
Named stations	Displays manually named and RDS stations only.

Station name

This option enables you to add and edit names for non RDS stations and remove stations from the station list. The names can be up to 8 characters long and can include, numbers, spaces or special characters. This option is only available in FM mode.

When you select this option you see the currently selected frequency on the top row of the display. Turn the tuning knob to scroll through the following options and push the tuning knob to select one:

Add/edit name	To add a name, turn the tuning knob to scroll through the available characters. Push the knob to select the currently displayed character, you automatically move to the next space, repeat this until finished - then select the enter character ( .
	To delete a character select the backspace character ( .
	To edit a name use the same process. The character you are editing flashes on the display.
Delete station	This deletes the selected station from the station list.
Delete list	This deletes the whole FM station list, use the FM autotune feature to create a new list if required. See page 8 for details.

Changing the FM/AM display mode

The DRX-702ES has four FM and two AM display modes which enable you to change what you see on the bottom line of the display. Press the **Display** button and repeat to cycle through the different display options.

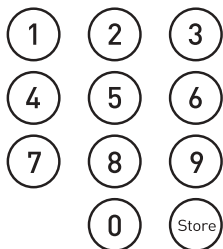
Scrolling text	The default option in FM mode, displays scrolling text (radio text) accompanying the audio, where broadcast. This option is only available for FM stations with RDS.
Program type	A description of the type of content being broadcast by the station. This option is only available for FM stations with RDS.
Frequency	Displays the frequency for the station to which you are tuned.
Signal strength	Displays a signal strength meter for the signal to which you are tuned. You can attempt to improve signal strength (more bars) by adjusting your aerial position and observing this meter.

Using the remote control

This section provides information on using the remote control. The infrared remote control provides access to the main functions of your DRX-702ES and also facilities such as presets and volume control. Before using your remote, insert the supplied batteries. Aim the remote control at the sensor on the display panel on your DRX-702ES.



Press the **Power** button to turn your DRX-702ES on or return it to standby. This button performs the same function as the **Power** button on the main unit.



Buttons **(0-9)** and the **Store** button enable you to store your favourite radio services for easy access.

To store a station

You can store a station to a preset while listening to it or when you see the station name on the bottom line of the display while scrolling through the station list.

1. Press the **Store** button. The display on your DRX-702ES shows 'Store preset'
2. Press the number (from **1** to **99**) under which you want to store the preset.
3. Press the **Select** button to confirm your selection.

To recall a previously stored station

Press the numbered button(s) under which you stored the station. If the selected preset is empty, the display shows 'Preset empty' for a few seconds and you will continue to hear the currently selected station.



Press the **Brightness** button and repeat or hold to cycle through the eight display brightness levels. This button performs the same function as the **Brightness** button on the main unit.



The **Setup** button enables you to view the advanced setup menu on your DRX-702ES. This button performs the same function as the **Setup** button on the main unit.

Press the **Setup** button to enter the menu then use the **Up/Down** button to scroll through the menu options and push the **Select** button to select that option.



Press the **Display** button and repeat to cycle through the seven display modes. This button performs the same function as the **Display** button on the main unit.



The **Autotune** button enables you to perform an autotune to find new stations. This button performs the same function as the **Autotune** button on the main unit.



The **Mute** button is a quick way of reducing the output volume from your DRX-702ES.

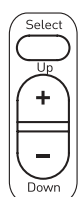
1. Press the **Mute** button to mute the sound. The display on your DRX-702ES shows 'Mute'.
2. Press the **Mute** button again or change station to return to the previous listening volume.



The **Band** button enables you to change between DAB, FM and AM modes. This button performs the same function as the **Band** button on the main unit.



The **Volume +/-** button increases (+) or decreases (–) the output volume of your DRX-702ES. A level indicator is shown on the display while you adjust the volume.



The **Up**, **Down** and **Select** buttons enable you to scroll through and select stations and menu options. Together, these buttons perform the same function as the large tuning knob on the main unit.

Accessories

PURE Digital supply a range of accessories and complementary products for your DRX-702ES including external aerials, signal boosters, aerial cable adapters and home cinema and hi-fi surround speaker systems.

Visit our website at www.pure-digital.com or contact us using the details on the back cover of this manual to find out more.

GB

Getting help

If you have a problem with your DRX-702ES, either visit our website at www.pure-digital.com or contact us using the details on the back cover of this manual for the latest support information.

Technical specifications

This section lists the technical specifications for the DRX-702ES.

General	DAB/FM/AM radio tuner with full Band III and L-Band DAB reception capability, for reception of all DAB broadcasts. Fully compliant with ETS 300 401. Features PAC II™ technology, FM and DAB autotune, RDS text in FM mode, analogue stereo output, optical and coaxial 48 kHz S/PDIF digital output and RDI digital output. USB port for software upgrades.
Frequency Range	DAB Band III (174 - 240 MHz) and L-Band (1452-1490 MHz), FM 87.5 -108 MHz, AM 531-1602 kHz.
Integrated DAC	24-bit 192 kHz capable stereo DAC (DAB Only)
Rear panel connectors	Aerial connectors: RF F-connector 75 Ω for DAB, IEC connector for FM aerial, spring clips for AM loop (aerials supplied) Dual phono for external line level audio input (from CD player or similar) with auto pass-through to output at power off Dual phono for stereo analogue audio output Optical Toslink connector for digital S/PDIF output (IEC958 @ 48 kHz) Coaxial connector for digital S/PDIF output (IEC958 @ 48 kHz) Optical Toslink connector for digital RDI data output USB port for functional upgrades
Front panel connector	¼" headphone socket (front panel)
Controls	Power on/off - switches the unit between on and standby Rotary selection switch - enables scrolling through and selection of stations and menu options Autotune - automatically tunes in unit to broadcast services (DAB or FM modes) Brightness - selects between 8 levels of LCD display brightness Display - changes the display mode Setup - enables access to advanced setup options Band - toggles unit between DAB, FM and AM modes
LCD Display	High visibility STN LCD display with 16 x 2 characters and 8 user-selectable brightness levels including off.
Indicators (front panel)	Power-on indicator Standby indicator Remote control activity indicator Stereo service indicator Secondary service availability/selection indicator DAB/FM/AM mode indicators
DAB performance	Frequency response - (limited by broadcast - DAC capable of higher responses) 20 Hz to 24 kHz for 48 kHz decode; 20 Hz to 12 kHz for 24 kHz low sample frequency (LSF) decode THD (nominal output) - Less than 0.002% at 1 kHz S/N Ratio - 103 dB
Power supply	High-performance low noise internal toroidal transformer power supply. 230V AC 50 Hz.
Fuse ratings	Power socket on unit 125 mA fuse fitted (spare supplied). UK Mains plug on power lead 3A fuse fitted.
Approvals	CE marked. Compliant with the EMC and Low Voltage Directives (89/336/EEC and 73/23/EEC)
Dimensions	430mm (width) x 65mm (height) x 270mm (depth)

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 to register your product with us. 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.

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