

IMPORTANT! Read before operating this equipment!

CAUTION: The exclamation mark is to draw your attention to important instructions and safety procedures in this manual.



ATTENTION: The lightning flash warns you of the risk of electrical shock presented by components inside this product. Unauthorised personnel must not open this unit.



WARNING: To reduce the risk of electrical shock do not remove any unit covers or panels. There are no user serviceable parts in this product.

WARNING: To reduce the risk of electric shock, do not expose this equipment to rain or moisture.

HEED WARNINGS: All warnings on the product and in the operating instructions should be adhered to.

READ ALL THE INSTRUCTIONS: All the safety and operating instructions should be read before the product is operated.

RETAIN INSTRUCTIONS: The safety and operating instructions should be retained for future reference.

FOLLOW INSTRUCTIONS: All operating and use instructions should be followed.

CLEANING: Unplug this product from the mains before cleaning. Do not use liquid or aerosol cleaners. Use a damp cloth for cleaning.

WATER AND MOISTURE: Do not use this product near water - for example, near a bath tub, wash bowl, kitchen sink, or laundry tub, in a wet basement; or near a swimming pool and the like. The product must not be exposed to dripping or splashing and no objects filled with liquids, such as vases, shall be placed on the product.

HEAT: The product should be situated away from heat sources such as radiators, stoves, or any other products (including amplifiers) that produce heat.

VENTILATION: Slots and openings in the cabinet are provided for ventilation, to ensure reliable operation of the product and to protect it from overheating and these openings must not be blocked or covered. The openings should never be blocked by placing the product on a bed, sofa, rug or similar surface. This product should not be placed in a built-in installation such as a bookcase or rack unless proper ventilation is provided or the manufacturer's instructions have been adhered to.

OBJECT OR LIQUID ENTRY: Never push objects of any kind into this product through openings as they may touch dangerous voltage points or short-out parts that could result in a fire or electric shock.

ACCESSORIES: Do not place this product on an unstable cart, stand, tripod, bracket, or table. The product may fall, causing serious injury to a child or adult, and serious damage to the product. Use only with a cart, stand, tripod, bracket or table recommended by the manufacturer, or sold with the product. Any mounting of the product should follow the manufacturer's instructions, and should use a mounting accessory recommended by the manufacturer.

ATTACHMENTS: Do not use attachments not recommended by the product manufacturer as they may cause hazards.

MOVING THE PRODUCT: A product and cart combination should be moved with care. Sudden stops, excessive force, and uneven surfaces may cause the product and cart to overturn.



POWER SOURCES: This product should be operated only from the type of power source indicated on the marking label. If you are not sure of the type of power supply to your home, consult your product dealer or local power company. For products intended to operate from battery power, or other sources, refer to the operating instructions.

OVERLOADING: Never overload wall outlets, extension cords, or integral convenience receptacles. This can result in an increased risk of fire or electric shock.

POWER CORD PROTECTION: Power supply cords should be routed so that they are not likely to be walked on or pinched by items placed upon or against them, paying particular attention to cords at plugs, convenience receptacles, and the point where they exit from the product.

NAKED FLAMES: No naked flame sources, such as candles, must be placed on this product.

LIGHTNING: For added protection for this product during a lightning storm, or when it is left unattended or unused for long periods of time, unplug it from the wall outlet and disconnect the antenna or cable system. This will prevent damage to the product due to lightning and power-line surges.

CAUTION! POLARISED CONNECTOR (CANADA and USA): To prevent electrical shock, match wide blade of plug to wide slot, fully insert. Do not alter or remove this plug if it does not fit your mains power socket. Have a suitable socket installed by a competent electrician.

POWER SUPPLY: (Refer to Fig.1)

The moulded IEC connector of the AC cord supplied plugs into the power inlet ① on the rear of the unit.

The mains supply requirement for your DAB8.0 is marked on a label on the rear panel. Before connecting, check that this voltage is the same as your mains supply.

230V Products:	Voltage Range	220V-240V
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If you move to an area with a different mains voltage, contact your local Cyrus distributor to have your product converted.

There are no user replaceable fuses in this unit.

NOTE FOR UK CUSTOMERS:

The DAB8.0 is supplied with a power cable terminated by a fused 13A mains plug. This plug should not be removed but if it is removed, dispose of it safely and do not re-use it. To connect a new 13A plug, proceed as follows: Connect the brown wire to the terminal marked L or coloured red. Connect the blue wire to the terminal marked N or coloured black. The internal plug fuse should be 5A.

SERVICING:

Do not attempt to service this product yourself as opening or removing covers may expose you to dangerous voltage or other hazards. Refer all servicing to qualified service personnel.

CONDITIONS REQUIRING SERVICE: Unplug this product from the wall outlet and refer servicing to qualified service personnel when:

- When the power supply cord or plug is damaged.
- If liquid has been spilled, or objects have fallen into the product.
- If the product has been exposed to rain or water.
- If the product has been dropped or damaged in any way.
- If the product does not operate normally by following the operating instructions. (Adjust only those controls that are covered by the operating instructions. Improper adjustment of other controls may result in damage requiring extensive work by a qualified technician to restore the product to its normal operation).
- When the product exhibits a distinct change in performance.

REPLACEMENT PARTS: When replacement parts are required, be sure the service technician has used replacements specified by the manufacturer or have the same characteristics as the original part. Unauthorised substitutions may result in fire, electric shock, or other hazards.

SAFETY CHECK: Upon completion of any service or repairs to this product, ask the service technician to perform safety checks to determine that the product is in proper operating condition.

PRODUCT SERVICE CENTRES

For product service or technical advice, contact only authorised Cyrus service centres. The Cyrus distributors are listed at the end of this instruction manual.

Welcome to the world of *Cyrus!*

Congratulations on your choice of *Cyrus* Hi-fi products. Our state-of-the-art design technology and outstanding quality of manufacture has won countless awards around the world. We are confident that you will derive great pleasure from owning a product from one of the most recognised and respected manufacturers of hi-fi equipment.

Please read these instructions carefully before commencing installation. They provide full guidance to help you install your *DAB8.0* safely and correctly.

Preparations for Installation

Before installing the *DAB8.0* check that the following items are included in the accessory box.

- Warranty Card (with instruction manual)
- Power Cable
- Remote Handset
- 2 MC-Bus cables
- T-Aerial for DAB and FM

After removing these items, please retain the packaging.

Install the *DAB8.0* in a well ventilated location away from sources of high temperature, dust or humidity. Never stand the *DAB8.0* under another unit or on any surface likely to obstruct its cooling or ventilation.

INSTALLATION (Refer to Fig 1):

Key to the rear panel drawing:

- | | |
|-------------------|------------------------|
| 1. Audio output | 5. USB connection |
| 2. Digital output | 6. SD memory card slot |
| 3. MC-Bus in/out | 7. AC power inlet |
| 4. DAB/FM Aerial | |

Connecting to the AC Mains Supply

Connect the socket on the AC Power cable to the Power inlet ⑦ on the rear panel of the *DAB8.0*. Now connect the cable to a suitable AC power point.

There is no mains power switch on the *DAB8.0*. To switch off the mains supply to the *DAB8.0* remove the plug from the wall outlet. For this reason, ensure that the plug is easily accessible when installing the unit.

Connecting an Aerial

Connect the aerial (supplied) to the aerial socket ④ of the *DAB8.0*. The aerial will perform best when stretched into a 'T' shape and fixed to a wall. If an outdoor aerial is to be connected, ensure that it is of the correct specification for the reception of your local DAB and FM broadcasts and is terminated with the correct 'F-type' connector.

Connecting to an Amplifier

Connect a phono cable from the Output sockets ① to the Tuner input of your amplifier. Either output 1 or 2 may be used.

Digital connection to a D/A converter

An optical output connection is provided for digital connection to a D/A converter or surround decoder. To use the digital output, connect a Toslink optical interconnect to the digital output ②, and connect the other end to an optical input of your D/A converter.

Fitting a memory card

You can fit a memory card into the rear panel card-slot of the *DAB8.0*. With a memory card fitted, recordings can be made to the card off-air for replay later. Before fitting the card, ensure that it is the correct type, clearly marked with the 'SD' symbol. Insert the card into the slot in the direction shown by the arrow.

Connecting the *DAB8.0* to a computer

The *DAB8.0* may be connected to a computer to assist with management of the sound files when a SD-Card memory card is fitted. To connect the *DAB8.0* to a computer, use a standard USB cable between a spare USB port on the computer and the USB socket ⑤ at the rear of the *DAB8.0*. The USB port is enabled through the *DAB8.0* menu system.

MC-Bus System Connection

By using the MC-BUS connection ③ on your *DAB8.0*, a highly functional integrated system with full remote control may be set up. This feature is usable if you own a *Cyrus* amplifier. Refer to the relevant product handbook for MC-BUS wiring instructions.

OPERATION

Key to the front panel drawing: (Refer to fig 2)

- | | |
|------------------------|--|
| 1. Scan key | 8. Play/pause/OK key |
| 2. Standby key | 9. Record key |
| 3. Standby light | 10. EPG (electronic program guide) key |
| 4. Display mode key | 11. Menu key |
| 5. Remote eye | 12. FF/menu key |
| 6. Display window | 13. REW/menu key |
| 7. Rotary/push control | |

Power control

The mains power to the *DAB8.0* should normally be left on unless left unattended for a long period when the mains power at the wall socket should be switched off or the product disconnected from the AC supply.

When power is applied, the STANDBY key ② is used for power control. The Standby light ③ shows red when the *DAB8.0* is in Standby and green when operational.

Using the *DAB8.0* for the first time

Station search & multiplexes

A DAB multiplex is a set of stations that are transmitted together as a group. When the *DAB8.0* is connected for the first time it will begin a search for all locally available DAB station multiplexes and store the details of stations available within them.

Clock setting

The *DAB8.0* will automatically set its clock from data received from the DAB multiplexes. If necessary, the clock may be set manually. Manual clock setting is explained in the 'Menu Functions' section of this handbook.

Re-tuning

To re-tune a station multiplex that is playing, press the SCAN key ① on the front panel. 'Quick scan' will be displayed while the current multiplex is returned.

To re-tune all station multiplexes, hold down the SCAN key ①. 'Full scan' will be displayed while all available multiplexes are re-tuned.

Re-tuning will not be necessary unless you move the *DAB8.0* to a new location or if a new station multiplex is launched in your area. Station details within existing multiplexes will be updated if they change on a regular basis.

Inactive stations

Stations which cannot be received correctly are termed inactive and will be shown with a '?' symbol on the display. This may happen if you lose aerial signal strength. This can also occur if you move to a new area as stations stored when in your previous location will still be listed, but inactive as you will be outside the reception area. To remove inactive stations from the station list, use the 'Prune station' option within the menu system to remove these inactive stations.

Radio band selection

The DAB8.0 receives both DAB and FM broadcasts, and will also record and play from an SD memory card, when fitted into the rear panel port. Press the MODE key on the remote control ⑥ to change from DAB to SD memory card replay to FM.

DAB reception

Selecting a station

From the remote control, press the NEXT ③ or PREV ⑤ keys to display an alphabetic list of all stations stored. To play your chosen station, find it in the list, then press the SELECT key ④ to play. After a short delay, the station will play.

From the front panel, turn the ROTARY/PUSH control ⑦ to display the alphabetic list of stations. To play the station, push the ROTARY/PUSH control ⑦.

Setting up the aerial

If the sound quality is poor when listening to certain stations, then it may be necessary to move the aerial or to change to a better quality aerial. To check the signal quality at any time while playing a station, push the ROTARY/PUSH control ⑦ once and the display will change to show a signal strength bargraph. You can change the position of the aerial to maximise the signal strength reading. Some experimentation may be necessary to achieve maximum signal strength for all the stations you require. If the signal strength is still not satisfactory, then a higher gain or outdoor aerial may be necessary. Pushing the ROTARY/PUSH control ⑦ again will restore the station display.

DAB display options

There are three selectable display options when listening to a DAB station. Pressing the DISPLAY key ④ (DISPLAY MODE ⑩ on the remote control) will switch between the available options shown below.

Station Display (default)



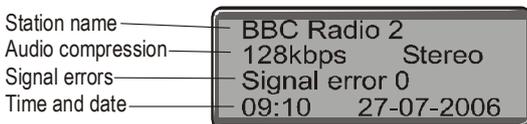
The station display shows the station name and additional program information which may be sent by the broadcaster.

Multiplex Display



The multiplex display shows information about the name and frequency of the multiplex that contains the station currently playing.

Technical Display



The technical display shows the degree of audio compression applied to the current broadcast. This is an indication of broadcast audio quality. Audio compression is not adjustable as it is set by the broadcaster. A higher number in the compression reading window indicates a better quality broadcast.

The signal error display is a reading of signal quality in the range 0-255. The lower the error reading, the better the signal at the aerial. If the error reading is high or the audio quality poor, refer to the section 'Setting up the aerial' to improve the received signal.

Display off

The display back-light can also be switched off completely if required by pressing the DISPLAY ON/OFF key on the remote control ⑩. Press any key to restore the display function.

Pausing a live broadcast

You can pause a live broadcast at any time by pressing the PLAY/PAUSE/OK key on the front panel ⑪ or on the remote control ⑬. The pause delay time will count up on the display and the DAB8.0 will store the broadcast while paused. To re-start the broadcast from where you left off, press the PLAY/PAUSE/OK key ⑬. To return to live broadcast again, press the DOWN cursor key ⑭ on the remote control or hold down the FF key ⑫ on the front panel until the pause delay clears.

Re-playing a live broadcast

The DAB8.0 automatically stores a live broadcast whilst playing. Once a live broadcast is stored, you can 'rewind' and 'fast-forward' again through a passage by pressing the remote control LEFT/RIGHT CURSOR keys or the front panel FF/REW keys ⑫, ⑬. The delay time is shown on the display. To return to live broadcast, press CURSOR DOWN ⑭ on the remote control or the FF key ⑫ on the front panel until the delay clears.

NOTE:- The maximum 'rewind' time will depend on how long the station has been playing and the compression rate of the broadcast. An approximate maximum rewind time is shown in the table.

Compression rate	64kb/s	96kb/s	128kb/s	192kb/s	256kb/s
Max rewind time	1 hour	40 mins	30 mins	20 mins	15 mins

FM reception

Selecting a station

Select the FM band with the remote control MODE key ⑥.

From the front panel, turn the ROTARY/PUSH control ⑦ to tune manually in either direction or press SCAN ① to search automatically for the next station in the direction last tuned.

From the remote control you can tune manually in each direction by pressing the NEXT ③ or PREV key ⑤.

FM presets

There are 10 FM presets available for quick access to your favourite FM stations. If you want to store the FM station playing as a preset, first press the remote control MEMORY key ⑩ to display all presets that are currently stored, or empty. Select the required preset number with the UP/DOWN cursor keys, then hold down the MEMORY key ⑩ to store it.

Selecting a preset

To select a stored preset, press one of the remote control NUMBER keys ⑪ or press the MEMORY key ⑩ to show a list of available presets on the display. Use the UP/DOWN cursor keys ⑭ to select the preset you want, then press PLAY/PAUSE/OK ⑬ to play it.

Mono reception

Mono reception can be set with the STERO/MONO key ⑨ on the remote control. This may be necessary if the aerial signal level is low which can result in the sound becoming noisy.

Recording programs on a memory card (DAB only)

NOTE: - A memory card must be installed for program recording.

Live recording

To make an instant recording of the program that is playing, press the RECORD key ① on the front panel or remote control ④. To stop the recording, press RECORD again.

Delay recording

You can also re-play a program that has been playing live and record it.

From the front panel, use the FF/REW keys ⑫, ⑬ to find the point to start your recording, then press the RECORD key ①.

From the remote control use the LEFT/RIGHT CURSOR keys ⑭ to find the point to start your recording, then press the RECORD key ④.

To stop the recording, press RECORD again. NOTE:- Re-play time available will vary, depending on the transmitted compression rate and the time that the program has been playing.

Playing your recordings

To play your recordings, press the remote control MODE key ⑧ to select 'AUDIO PLAYER'. A track list from the SD-Card will now be displayed.

From the remote control, select the recording you want with the NEXT ③ or PREV key ⑤, then press SELECT ④ to play it.

From the front panel, turn the ROTARY/PUSH control ⑦ to select the recording you want, then press the ROTARY/PUSH control ⑦ to play. Turn the ROTARY/PUSH control ⑦ at any time to view the recording list and press to select another recording.

Deleting your recordings from the memory card

See the next section 'Memory Card Management' for instructions on file management or card formatting.

The Electronic Program Guide

The DAB8.0 is equipped with an Electronic Program Guide (EPG) to assist with DAB timed recordings. Using the Guide, you can browse the programs scheduled to be broadcast on each station, then select a program to record directly from the guide.

To enable EPG, the DAB8.0 will automatically download available program guides from each multiplex. This process takes place automatically, but it is also possible to initiate a download manually. Manual guide downloading is described in the 'Menu functions' section in this handbook.

Making a recording using the Electronic Program Guide

From the front panel, press the EPG key ⑩ to display the guide. Select the station you require by turning the ROTARY/PUSH control ⑦. Now press the FF/REW keys ⑫, ⑬ to move through the programs scheduled for this station. Press the front panel RECORD key ① to switch to the record screen and OK ⑮ to confirm recording. Press EPG ⑩ to exit the program guide.

From the remote control, press the EPG key ⑩ to display the Electronic Program Guide. Select the station you require with the NEXT ③ or PREV key ⑤. Now press the LEFT/RIGHT CURSOR keys ⑭ to move through the programs scheduled for this station. When you locate the program you want to record, press the RECORD key ④ to switch to the record screen, preset with the times for this program. Press the OK key ⑮ to confirm recording of this program. Press EPG ⑩ to exit the program guide.

NOTE:- Not all DAB stations supply an Electronic Program Guide. In this case timed recordings may be made manually – refer to the next section.

Timer on/off/record

You can set the timer to turn the DAB8.0 on, turn it off or to record a broadcast at a preset time if program information is not available from the Electronic Program Guide.

To set the timer, press the remote control TIMER key ②. If the display shows there is a free timer slot available, press the OK key ⑮. The display will now show 'Enabled', the function, station and time. First choose a function from RECORD ON, DAB ON, FM ON, OFF. You can move around the menu with the UP/DOWN cursor keys ⑭ and make changes with the LEFT/RIGHT cursor keys ⑭. When you have set the function, move on to choose a station to record and enter the times you require. Press OK ⑮ when you have finished entering the times and the display will show 'pending'.

If the DAB8.0 is playing at the time of the recording the station will change (if necessary) and the timed recording will start. If the DAB8.0 is set to Standby then the recording will take place during standby.

Checking timer settings

To check timer settings, press the remote control TIMER key ②, then use the UP/DOWN CURSOR keys ⑭ to view timed program settings. The display will indicate if the timed event has already taken place (Finished) or is still active (Pending).

Deleting timer settings

To delete timer settings, press the remote control TIMER key ②, then use the UP/DOWN CURSOR keys ⑭ to find the timer setting you want to delete. Press the DEL key ⑦ to delete the setting and confirm with OK ⑮.

Memory card management

Memory card file management takes place from within the DAB8.0 menu system. Refer to the 'Menu Functions' section in this handbook for file management instructions.

Menu functions

Many additional functions of your DAB8.0 are available through the menu system.

To activate the menu system from the remote control, press the MENU key . Move through the menu options with the UP/DOWN cursor keys . Make selections with the OK key . To exit the menu system at any time, press the MENU key  again.

To activate the menu system from the front panel, press the MENU key . Move through the menu options by turning the ROTARY/PUSH control . Make selections with the OK key . To exit the menu system at any time, press the MENU key  again.

DAB8.0 Menu system

MENU	Guide	Get the guide	Select this menu function to refresh the guide information for the Electronic Program Guide of the current broadcast ensemble.
		Get all guides	Select this menu function to refresh the guide information for the Electronic Program Guide of all available ensembles. This may take a few minutes to complete.
	Memory card	USB file copy	Select this option if you want to transfer sound files to/from your personal computer via a connected USB cable. With the USB File Copy option selected, the DAB8.0 tuner section will set to Standby and the memory card will become visible in the file browser of a connected computer. Using the browser, files on the card can now be copied between the computer and the card or files deleted from the card. To close the USB link and return to normal operation, press OK  .
		Free space	Select this option to display free space left on the SD-Card. See the specifications section at the end of this handbook for guidance in converting SD-Card free space to record times in minutes.
		Format card	Select this option to erase all recordings on the SD-Card. Select 'YES' when displayed with the OK key  to complete the format. NOTE:- Card formatting is not possible when the DAB8.0 is set to Audio Player mode (playing from the SD-Card). Select DAB or FM mode before attempting to format the SD-Card.
	Manual tune	Frequency list	Select this option if you want to check signal strength at a particular multiplex frequency. Scroll the displayed frequency list with the ROTARY/PUSH control  , then press the ROTARY/PUSH control to check the chosen frequency. NOTE:- Audio will not play.
	Clock	Use DAB time	This is the factory setting which automatically sets the DAB8.0 clock from accurate DAB broadcasts.
		Set clock	If you wish to set the clock to a different time or date, select this option.
	Station order	Alphanumeric	This is the factory option. All DAB stations are displayed in Alphanumeric order.
		Fav station	This option will group together all stations that you listen to regularly. These will be show with a ♥ symbol next to your favourite stations in the list.
		Prune station	Choose this option to remove all inactive stations from your DAB station list.
		Active station	Select this option to group together all stations that are active. Those with a reception problem will be grouped separately.
	DRC value		You can set the Dynamic Range Compression (DRC) value to 0, ½ or 1 with this menu option.
	Software upgrade		Do not select this option unless under instruction from an authorised Cyrus service department. The DAB8.0 may be permanently damaged by the incorrect use of this menu option.
	Software version		Select this option to display the version of software installed in your DAB8.0.

TROUBLESHOOTING GUIDE

If your DAB8.0 is not operating properly, disconnect the power and check carefully all connections.

If you are in any doubt, consult your dealer.

No DAB station list ('No stations' message on display)	
The aerial is not sensitive enough for your location.	Check which aerial will be required with a local aerial installer.
DAB transmissions may not be available in your location.	Check if DAB reception is available in your area with a local aerial installer.
No FM stations found when scanning	
The aerial is not sensitive enough for your location.	Check which aerial will be required with a local aerial installer.
Poor quality DAB sound	
Check signal strength display/signal error display	If signal strength is low, try moving the aerial to increase signal strength.
SD Card not visible when browsing with a connected computer	
USB file copy not selected from menu system	Use menu system to select USB file copy option

SPECIFICATIONS

Power Supply

Voltage:..... As plate on rear of unit

Power Consumption

Standby..... 9W
 ON..... 10W
 EMC & Safety Compliance (230V)CE

Enclosure

Dimensions (WxHxD)215 x 75 x 365mm
 Weight..... 2.3Kg
 Material Die cast chassis

Audio Performance

Output Voltage 2.0V
 Output Impedance 100Ω

DAB

Sensitivity..... 9dBuV
 Frequency Response (-3dB) 42Hz, 20kHz
 Signal to Noise Ratio (AWTD) 83dBA
 THD+N, 1kHz..... <0.07%
 Internal memory (for broadcast pause, rewind)..... 32MB
 External memory type..... SD-Card
 External memory maximum capacity..... Up to 1GB
 Typical record times for SD-cards at different compression rates-

	64kb/s	96kb/s	128kb/s	192kb/s	256kb/s
64MB	2h	1h 20m	1h	35m	30m
128MB	4h 10m	2h 40m	2h	1h 20m	1h
256MB	8h 40m	5h 40m	4h 10m	2h 40m	2h
512MB	17h 30m	11h 40m	8h 40m	5h 40m	4h 10m

FM

Sensitivity..... 5dBuV
 THD+N, 1kHz..... <0.1%

Cyrus reserves the right to change all specifications without notice. E &OE

WARRANTY

The warranty card enclosed should be completed by the Dealer and the purchaser and returned to CYRUS or its Distributor within 8 days of purchase. No Dealer or Distributor may vary the terms of this warranty, which is personal to the original Purchaser and is not transferable.

Please retain the sales receipt as proof of purchase.

Warranty claims must wherever possible be made through the Dealer from whom the equipment was purchased.

This warranty excludes:

- Damage caused through neglect, accident, misuse, wear and tear, or through incorrect installation, adjustment or repair by unauthorised personnel. Any unauthorised servicing will result in loss of warranty.
- Liability for damage or loss occurring in transit to or from the purchaser.
- Consequential damage, loss or injury, arising from or in conjunction with this equipment.

Equipment for attention under warranty should be consigned return carriage paid. If returned equipment is found to comply with the published specification, CYRUS reserves the right to raise a charge.

The above conditions do not affect your statutory rights as a consumer.