

## AS-4

Audio Source DAB/FM/BT/USB

Item ref: 952.984UK

User Manual



Version 1.1



Caution: Please read this manual carefully before operating  
Damage caused by misuse is not covered by the warranty

## Introduction

Thank you for choosing the Adastra AS-4 DAB/DAB+/FM tuner with Bluetooth and USB player as a professional audio source. This unit is designed to offer high quality audio for background music systems. Please read this manual to gain the best results from your product and avoid damage through misuse.

### SAFETY SYMBOL AND MESSAGE CONVENTIONS



**CAUTION**  
RISK OF ELECTRIC SHOCK  
DO NOT OPEN

**AVIS**  
RISQUE DE CHOC ELECTRIQUE NE PAS  
OUVRIR



This symbol indicates that dangerous voltage constituting a risk of electric shock is present within this unit



This symbol indicates that there are important operating and maintenance instructions in the literature accompanying this unit.



### SAFETY NOTICE

1. Prior to use, read through this manual
2. Keep the manual in good condition
3. Pay attention to safety warnings
4. Observe all operating requirements
5. Do not use the device near water or wet areas
6. For cleaning, only use a lint-free, dry cloth
7. Install according to the specifications
8. Place away from heat sources or heating appliances
9. Use mains lead provided and avoid damage to cable or connectors
10. Unplug power from mains during stormy weather or if unused for long periods
11. In case of malfunction, water ingress or other damage, consult qualified service personnel
12. Do not place in damp areas or near liquids or moisture. Do not spill liquids on the housing
13. Please pay attention to warning symbols during transit and placement
14. Ensure correct operation of the mains switch

### Warning

To prevent the risk of fire or electric shock, do not expose any components to rain or moisture.

If liquids are spilled on the casing, stop using immediately, allow unit to dry out and have checked by qualified personnel before further use. Avoid impact, extreme pressure or heavy vibration to the case

Do not allow foreign objects into the USB port.

No user serviceable parts inside – Do not open the case – refer all servicing to qualified service personnel.

### Safety

- Check for correct mains voltage and condition of fig.8 mains lead before connecting to power outlet

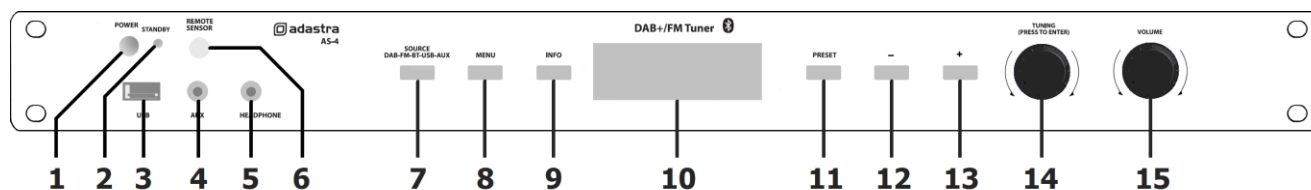
### Placement

- This unit can be used free-standing or fixed into a 19" rack
- Ensure adequate support and access to controls and connectors when rack-mounting

### Cleaning

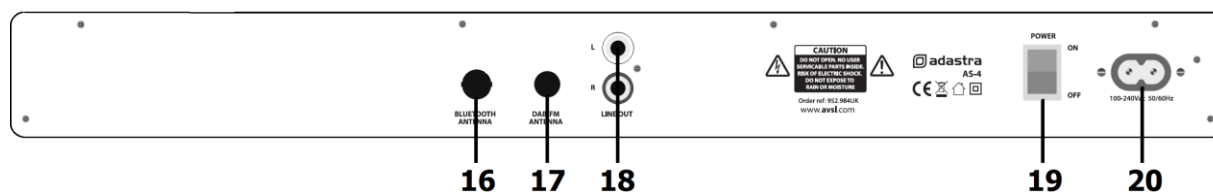
- Use a soft cloth with a neutral detergent to clean the housing as required
- Use a vacuum cleaner to clear apertures and controls of any dust or debris build-ups
- Do not use strong solvents for cleaning the unit

## Front panel



- |                            |  |
|----------------------------|--|
| 1. On/standby button       | 9. Track info button                         |
| 2. Standby indicator       | 10. Backlit LCD display                      |
| 3. USB port                | 11. Preset select                            |
| 4. 3.5mm Aux input         | 12. "-" value decrement button               |
| 5. 3.5mm headphones output | 13. "+" value increment button               |
| 6. Remote control sensor   | 14. Tuning dial (press to enter menu option) |
| 7. Source selector         | 15. Volume dial                              |
| 8. Menu button             |  |

## Rear panel



- |                                      |                         |
|--------------------------------------|-------------------------|
| 16. Bluetooth antenna connection     | 19. Power on/off switch |
| 17. DAB+/FM radio antenna connection | 20. Fig.8 Mains inlet   |
| 18. Left + Right RCA outputs         |                         |

## Connection

Ensure the power is switched off and connect the supplied fig.8 mains lead into the power inlet (20) with the plug top into a suitable mains power outlet.

Connect the output from the AS-4 to a mixer or amplifier line input using the RCA output connectors (18)  
 Connect the supplied antenna lead (or suitable external aerial) to the DAB/FM Antenna connector (17)  
 For Bluetooth reception, a Bluetooth antenna is provided, which should be connected to the SMA connector on the rear panel (16)

## Operation

Switch on the POWER (19) and the LCD display (10) will illuminate.  
 If the STANDBY LED (2) is lit, press the ON/STANDBY button (1) to activate the AS-4.  
 (in standby mode, the Day, time & date are displayed with the backlight dimmed)

Pressing the SOURCE button (7) repeatedly will cycle through DAB, FM, Bluetooth, USB and Auxiliary modes.  
 The VOLUME dial (15) governs the output level of any selected source

In any mode, press MENU (8) to enter the System menu (DAB and FM have additional options - see below)  
 In the System menu, step through options via the TUNING dial (14) or pressing +/- buttons (12, 13)  
 Select an option by pressing the TUNING dial to confirm. Navigate sub-menus in the same way.  
 Edit the settings via the TUNING dial or +/- buttons and pressing the TUNING dial to enter.  
 Press MENU to back out of settings, sub-menu and main menu pages.

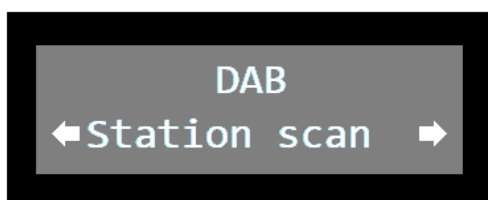
## System Menu

Menu item	Option	Settings	
Time setup	Set clock	Hours:Minutes AM/PM	
	Set date	Day – Month – Year	
	Auto update	From radio / No update	
	Set 12/24 hour	Set 12 hour / Set 24 hour	
Alarms	Alarm 1	On/Off	Hours:Minutes AM/PM
		Days	Daily / Once / Weekdays / Weekends
	Alarm 2	Mode	Buzzer / DAB / FM
		Volume	0 - 100%
		Save	Save
Sleep	Sleep	Off / 15 / 30 / 45 / 60 / 90 (minutes until standby)	
Equalizer	Flat / Rock / Classic / Jazz / Pop / Custom Bass	Custom sub menu - Bass / Treble ±14dB	
Factory reset	Factory reset	<No>/<Yes>	
SW version	[displays current software version]		

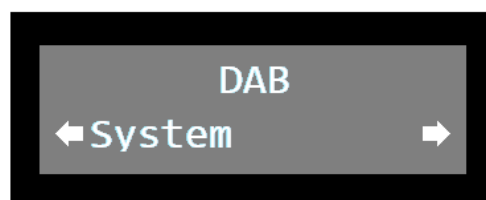
## DAB Mode

The AS-4 is compatible with DAB and DAB+ radio broadcasts.  
The display will show the current selected station

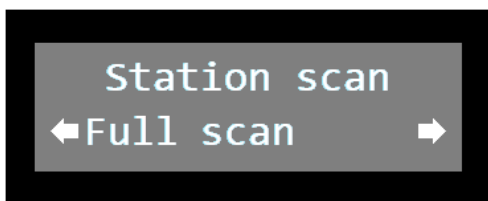
Tune into the available DAB/DAB+ stations via the "Station scan" menu.  
Press the MENU button in DAB mode and the display will show as follows...



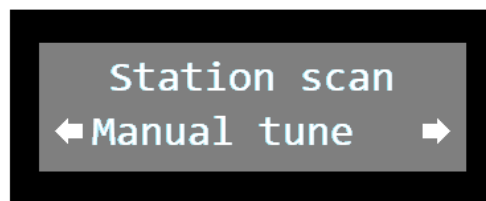
Press "+" or turn  
TUNING dial



The System menu is described in the table above.  
Press the TUNING dial on the "Station scan" option and the display will show 2 tuning options.



Press "+" or turn  
TUNING dial



Press the TUNING dial on the "Full scan" option to auto tune all available DAB/DAB+ stations.  
Press the TUNING dial on the "Manual scan" option to tune DAB/DAB+ stations manually via the TUNING dial.

Pressing the INFO button cycles through display options, showing information about the current DAB station.

The name of the current selected station is shown on the top row of the display.  
The bottom row will show one of the following items...

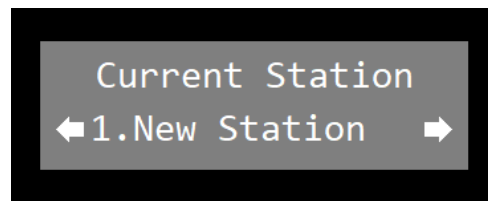
*Genre - Region - Time/Date - Channel/Frequency - Bit-rate/Mono/Stereo - Virtual Dial - Signal error - Message*

Up to 20 preset DAB/DAB+ stations can be stored for quick access.

Press the PRESET button (11) and navigate to a preset via the +/- buttons or TUNING dial (12, 13, 14)

Press and hold the TUNING dial to save the current tuned station to the selected preset.

To access a stored preset, navigate to a preset number and briefly press the TUNING dial.



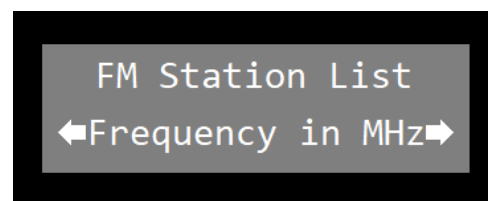
## FM Mode

If the DAB/DAB+ signal is unstable, it may be more useful to tune into traditional FM radio stations. Press the SOURCE button to reach FM mode. The display will show the current frequency or station name.

To tune into frequencies manually, turn the TUNING dial (14)

To step through available stations, briefly press the TUNING dial.

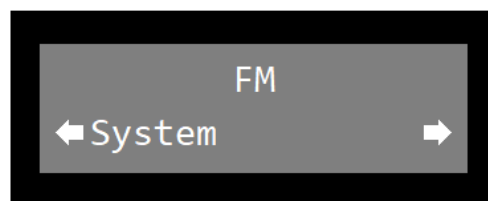
To auto tune all available FM stations, press and hold the TUNING dial. After auto-tuning, the +/- buttons can step through stored stations.



Press the MENU button in FM mode and the display will be as follows

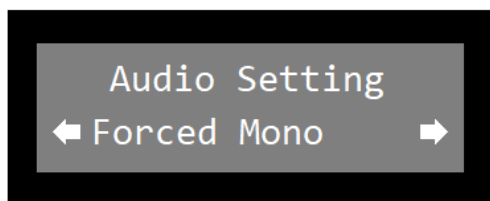


Press "+" or turn TUNING dial

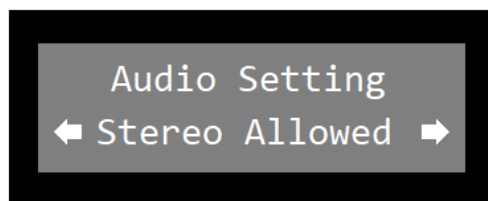


The System menu is described on the previous page.

Press the TUNING dial on the "Audio setting" option and the display will show 2 tuning options.



Press "+" or turn TUNING dial



Forced Mono sums both left + right audio, so that the same signal is output through each RCA socket.

Pressing the INFO button cycles through display options, showing information about the current FM station.

The name of the current selected station is shown on the top row of the display. The bottom row will show one of the following items...

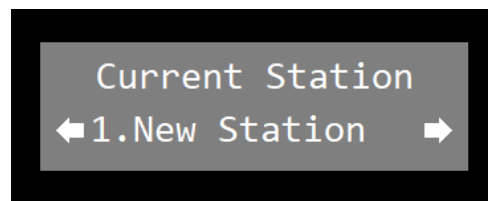
*Message - Genre – Signal strength - Time/Date*

Up to 20 preset FM stations can be stored for quick access.

Press the PRESET button (11) and navigate to a preset via the +/- buttons or TUNING dial (12, 13, 14)

Press and hold the TUNING dial to save the current station to the selected preset.

To access a stored preset, navigate to a preset number and briefly press the TUNING dial.



## Bluetooth Mode

For playback from a smart phone or tablet computer, the AS-4 has an inbuilt Bluetooth receiver.

Press the SOURCE button to reach Bluetooth mode. The top row of the display will show "Bluetooth"

The bottom row of the display will flash "Connecting" and then after initializing, it will flash "Pairing"

Open the Bluetooth menu on the sending device and search for a Bluetooth ID "adastra AS-4"

Select to pair with this device and if successful, the AS-4 display will stop flashing and show "Connected"

If a previously paired sending device is in range, the AS-4 will connect automatically.



After Pairing



Once connected, audio playback from the sending device will be fed to the AS-4 outputs.

If the sending device goes out of range, the AS-4 will enter pairing mode again.

Note: if there is no playback after 15 minutes, the AS-4 will automatically switch to standby mode.

## USB Mode

For playback of mp3 tracks from a USB memory device (up to 32GB), connect the device to the USB port (3)

If there is no USB device or the device is not recognized, the display will show "No USB"

Playback of tracks will normally begin automatically.

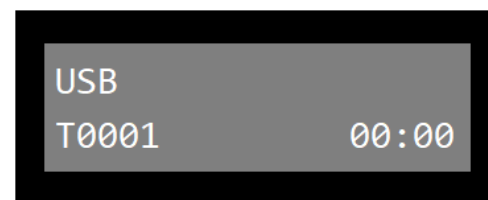
The display will show "USB" in the top row and the track number and elapsed time in the bottom row.

Use the +/- buttons or TUNING dial (12, 13, 14) to navigate tracks.

Press the TUNING dial (14) to pause or play the current track.

Press and hold the TUNING dial to stop playback.

Press and hold the +/- buttons to fast forward or reverse seek through a track.



Press the PRESET button (11) to set the repeat mode. Repeat "One" single track or repeat "ALL" tracks.

## AUX Mode

For playback from external devices, such as mp3 players, the AS-4 has a 3.5mm stereo AUX input.

Press the SOURCE button and use the +/- buttons or the TUNING dial to navigate to "Auxilliary Input" mode.

Any line input connected to the AUX connector will be fed to the AS-4 RCA outputs.

Output level will still be governed by the VOLUME dial.

## Remote Control

The AS-4 is supplied with a handheld I.R. remote control, which has similar controls to the front panel with some extra features...

POWER	On/standby
SOURCE	Select DAB/FM/BT/USB/AUX
PAIRING	In Bluetooth mode, disconnects paired device
0 – 9	Direct preset selection (1 to 10)
MUTE	Mute/unmute all output
▶	Play/pause current track
ALARM	Enter Alarm menu (use navigation to edit)
SLEEP	Auto standby after 15, 30, 45, 60 or 90 minutes
SNOOZE	During alarm, snooze for 5, 10, 15 or 30 minutes
MENU	Enter main menu (use navigation to edit)
INFO	Select DAB+/FM station information displayed
PRESET	Use navigation to step through preset DAB+/FM stations
▲▶▼◀	Navigation – same function as TUNING dial
ENTER	Confirm selection – same function as pressing the TUNING dial
VOL-/VOL+	Adjust output level



## Specifications

Power supply	100-240Vac, 50/60Hz (fig.8)
DAB frequency range	174 - 240MHz
FM frequency range	87.5 - 108MHz
USB port	USB 1.0/1.1/2.0 up to 32GB, FAT16/32
Antenna connection	RF coax (FM/DAB+ aerial supplied)
Display	Backlit LCD for track info, frequency, DAB+ DLS, B/T pairing
Auxiliary input	3.5mm stereo jack
Headphone output	3.5mm stereo jack
Line output	L+R RCA
S/N ratio	60dB
Remote: battery	2 x AAA (supplied)
Frequency response	20Hz - 20kHz
Dimensions	482 x 285 x 44mm (1U)
Weight	2.27kg



**Disposal:** The "Crossed Wheelie Bin" symbol on the product means that the product is classed as Electrical or Electronic equipment and should not be disposed with other household or commercial waste at the end of its useful life. The goods must be disposed of according to your local council guidelines.

Hereby, AVSL Group Ltd. declares that the radio equipment type 952.984UK is in compliance with [Directive 2014/53/EU](#)

The full text of the EU declaration of conformity is available at the following internet address:

<http://www.avsl.com/assets/exportdoc/9/5/952984UK%20CE.pdf>

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