

H25

Handheld Wireless PA

Item ref: 952.410UK

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 H25 portable PA system. This all-in-one unit is designed to offer convenient and reliable portable amplification for a wide range of small public address applications. Please read this manual before using this equipment in order to avoid damage through incorrect operation and to get the best performance from your purchase.

Contents:

Please take care when unpacking this product. Inspect for any damage and ensure you have the following components...

- H25 Handheld PA speaker unit
- VHF bodypack transmitter
- Neckband microphone
- Shoulder strap

Warning:

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

If liquids are spilled on any component, stop using immediately, allow unit to dry out and have checked by qualified personnel before further use.

Avoid impact or heavy vibration to any of the components, dropping the microphone can cause capsule failure.

No user serviceable parts inside transmitter or receiver except for battery/charging access - refer servicing to qualified service personnel.

Safety

- Ensure that mains supply voltage is correct for charging via the integral lead
- Avoid ingress of water or particles into the unit or bodypack transmitter
- Use alkaline or NiMH batteries in the transmitter and remove if unused for long periods.
- Observe the correct polarity when replacing batteries
- Do not attempt to charge USB devices from the type 'A' connector

Placement

- Keep all components out of direct sunlight and away from heat sources.
- Avoid impact or crushing of components
- Keep all components away from damp or dusty environments.

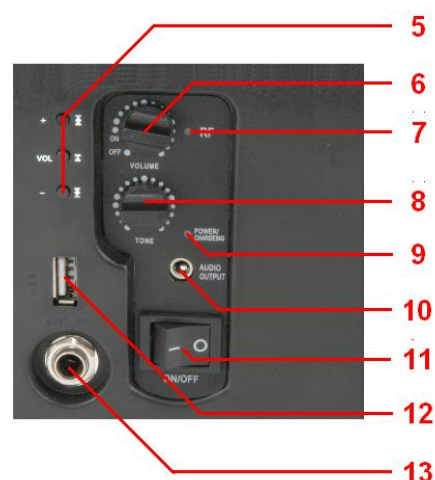
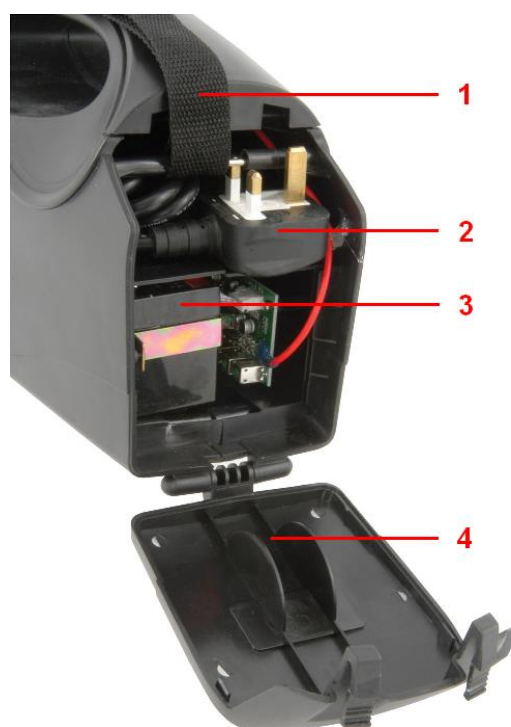
Cleaning

- Use a soft cloth with a neutral detergent to clean the outside of each component
- Lightly damp sterile wipes may be used on the microphone head for hygiene purposes
- To avoid damage, do not use solvents to clean the components

Specifications

Power supply: main unit	Mains or internal rechargeable battery
Power supply: VHF bodypack	3Vdc (2 x AA battery)
Output power: max	25W
RF carrier frequency	174.1MHz
RF power	10mW
Frequency response	100Hz - 12kHz
S/N ratio	>60dB
VHF operating distance	35.0m
VHF tuning stability	0.005% quartz crystal locked
Dimensions: VHF bodypack	100 x 65 x 35mm
Weight: VHF bodypack	68.2g (no battery)
Dimensions: main unit	155 x 183 x 285mm
Weight: main unit	2.74kg

Handheld PA Unit



- 10. Shoulder strap
- 11. Mains recharging lead
- 12. Sealed rechargeable battery
- 13. Rear compartment cover

- 1. USB player transport controls
- 2. VHF microphone On/Off/VOLUME control
- 3. VHF microphone carrier signal indicator
- 4. VHF microphone TONE control
- 5. POWER/CHARGING indicator
- 6. AUDIO OUTPUT 3.5mm jack
- 7. ON/OFF power button
- 8. USB connector
- 9. MIC IN 6.3mm jack

Bodypack Transmitter and Neckband Microphone



- 14. Slide switch – OFF/ON
- 15. Microphone input - 3.5mm threaded jack
- 16. Battery compartment
- 17. Condenser microphone

Operation

The H25 portable PA unit is switched on using the ON/OFF rocker switch (11) at the bottom of the control panel. The rear compartment of the H25 houses the mains charging lead (2). When this is connected to the mains (ensuring correct voltage), the H25 operates from mains when switched on and charges the battery when switched off. Full charging from empty takes approximately 4½ hours. An indicator LED (9) shows when power is on or charging the battery (if the H25 is switched off). Switching on the H25 with no mains plugged in operates from the internal battery and should offer up to 8 hours operation from a full charge, depending upon the usage and output volume.

There is a USB type A socket on the control panel (12). Plugging in a USB pen drive containing compressed digital audio files enables them to be played through the unit. Play/Pause functions and track navigation are controlled by 3 transport buttons (5) above the USB connector. A 3.5mm jack (10) carries audio output at line level, which can be connected to further amps or active speakers if required.

For the wireless system, opening the front cover of the bodypack transmitter reveals the battery compartment (16). To open this, squeeze the sides inward and lever the flap forward. Place 2 alkaline or NiMH AA batteries inside (ensure + and - are the correct way around) and then fold the front cover back into place until it clicks shut. Plug in the supplied neckband microphone and screw in the thread until fully connected. Slide the OFF/ON switch (14) to the ON position.

The built-in receiver in the H25 unit is controlled by 2 rotary controls on the control panel. When the OFF/ON/VOLUME control (6) is turned fully off, the VHF receiver is powered down. Turning this control up gradually activates the receiver and increases the level. When the receiver detects the bodypack transmitter (switched on), the RF indicator (7) will illuminate. Adjust the OFF/ON/VOLUME level to the required output. Below the OFF/ON/VOLUME control is a TONE (8) control for the wireless microphone. Turning the tone down can help avoid "squealing" feedback from excessive treble content or turning up will add more treble for clearer speech. Also, a wired microphone or wireless receiver may be connected to the MIC IN 6.3mm jack socket (13) to be used instead of or in addition to the built-in wireless set.

Care should be taken to avoid "line-of-sight" positioning of the H25 speaker and any microphones being used, which can cause feedback (howling or squealing caused by the microphone 'hearing' its own output through the speaker). Furthermore, the H25 should not be positioned too close to the microphone(s) being used for this reason. After use, turn down the OFF/ON/VOLUME control fully down to power down the VHF receiver, switch off the bodypack transmitter and switch off the power switch on the H25 unit. If mains is connected, stow the lead carefully inside the rear compartment and store the unit upright in a dry place away from heat or sunlight.

Troubleshooting

"POWER/CHARGING" LED not lit when using mains power	Check for correct voltage and that outlets are switched on
	Check if mains fuse has blown
"POWER/CHARGING" LED not lit when using battery power	Check POWER switch is switched on
	Battery may be fully discharged, connect to mains if available
"POWER/CHARGING" LED is on but "RF" LED is not lit	Ensure transmitter is switched ON with a good battery installed
	Check that bodypack transmitter is not out of reception range
	Check that VHF OFF/ON/LEVEL control is not switched off
	Check if bodypack transmitter switch is in OFF position
"POWER/CHARGING" and "RF" LEDs are lit but no mic output	Check if neckband microphone is properly connected to bodypack
	Ensure transmitter has good / charged batteries
	Check if there is another nearby transmitter with the same frequency
Microphone output is very loud or distorted	Turn down LEVEL control on bodypack transmitter
	Turn down OFF/ON/LEVEL control on the H25 to a reduced level
Microphone output is very low	Turn up LEVEL control on bodypack transmitter
	Turn up OFF/ON/LEVEL control on the H25
	Check transmitter batteries
USB player will not play audio files	Check that file type is standard and 44.1KHz 16-bit format
	Check USB memory device on different equipment to ensure working properly
	Press PLAY button or jump to other tracks to make sure file is not corrupt
	Remove and replace USB device to check if connected properly
USB player output very low	Press and hold the VOL + button to increase volume level
	Check that audio file is not recorded at very low gain level - if so, correct this on a PC/Mac
USB player output very high or distorted	Press and hold the VOL – button to decrease volume level
	Check that audio file is not recorded at very low gain level - if so, correct this on a PC/Mac



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.

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