



## A 2706E

### AM/FM TUNER & CD/SD/USB AUDIO PLAYER



Congratulations on your purchase of the Redback anti shock CD / USB/ SD Card reader player with remote control.

#### Features:

- Accepts CD, CD-R, CD-RW discs plus USB flash drive and SDHC/MMC memory cards
- Accepts file types of MP3 and WMA files (on all formats above).
- Anti shock CD player

#### Included Accessories

- AM Loop Antenna Set
- FM Antenna Wire
- CD Player Remote Control
- IEC Power Cord
- Rack Mounting Brackets

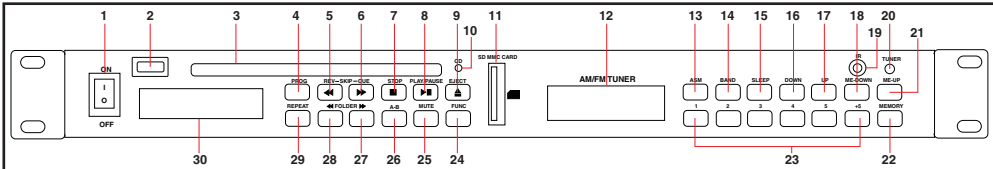
#### Operating Guidelines

- Do not use this player where the temperatures are below 5°C or exceeds 35°C.
- To keep the laser pick-up clean, do not forget to close the disc tray.
- Do not attempt to clean with chemical solvents as this may cause damage. Use a clean, dry cloth.

#### Installation

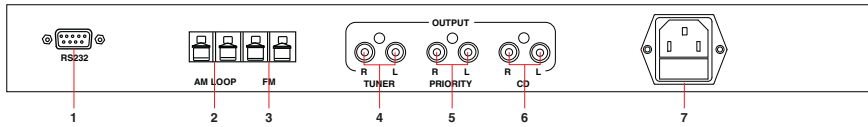
1. The unit is supplied with separate Tuner and Audio player RCA line level outputs, plus a Priority RCA live level output. The Priority output gives the audio player priority and then switches to Tuner when the audio player tracks have finished. Connect the stereo RCA output(s) as required to a line level amplifier input.
2. Connect a suitable FM antenna to the FM antenna terminals, and connect the AM loop antenna to the AM antenna terminals.
3. Connect the IEC cable to the unit, and plug it in to a 240V mains outlet. Install the batteries (supplied) in the remote control.
4. Switch the mains outlet on.

# REDBACK® AM/FM TUNER & CD/SD/USB AUDIO PLAYER



**Fig1. FRONT PANEL**

- |                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <ol style="list-style-type: none"> <li>1. Power switch</li> <li>2. USB socket input</li> <li>3. CD player slot</li> <li>4. Program</li> <li>5. Rev - Skips to the next track</li> <li>6. Cue - Skips to the previous track</li> <li>7. Stop</li> <li>8. Play/Pause</li> <li>9. Eject</li> <li>10. CD on indicator LED</li> <li>11. SD/MMC card socket input</li> <li>12. Tuner LCD readout</li> <li>13. Tuner ON/OFF power switch</li> </ol> | <ol style="list-style-type: none"> <li>14. Band - Switches between AM &amp; FM.</li> <li>15. Sleep - Sets the sleep time</li> <li>16. Track scan reverse</li> <li>17. Track scan forward</li> <li>18. ME-UP - Skip to the next saved station.</li> <li>19. IR receiver</li> <li>20. Tuner on indicator LED</li> <li>21. ME-DOWN - Skip to the saved station before the current station.</li> <li>22. Memory</li> <li>23. Station presets 1-5, 5+</li> <li>24. Function - Switches mode from CD to USB to memory card</li> </ol> | <ol style="list-style-type: none"> <li>25. Mute - Mutes the CD output</li> <li>26. A-B - Press once to mark the start and a second time to mark the end of a section of play (from the CD, USB or memory card) to be played on repeat. Press a third time to clear the selection.</li> <li>27. Skip to the next folder</li> <li>28. Skip to the previous folder</li> <li>29. Repeat</li> <li>30. CD/Audio Player LCD readout</li> </ol> |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

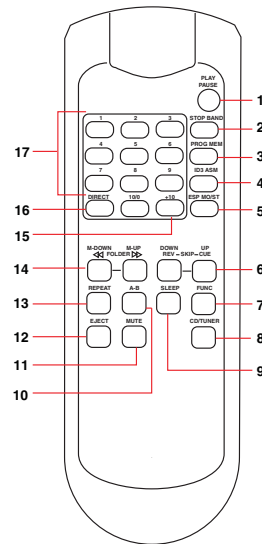


**Fig2. REAR PANEL**

- |                                                                                                   |                                                                                                                                             |                                                                                                |
|---------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------|
| <ol style="list-style-type: none"> <li>1. RS232</li> <li>2. AM loop antenna connection</li> </ol> | <ol style="list-style-type: none"> <li>3. FM antenna connection</li> <li>4. Tuner output (RCA)</li> <li>5. Priority output (RCA)</li> </ol> | <ol style="list-style-type: none"> <li>6. CD output (RCA)</li> <li>7. 240V AC input</li> </ol> |
|---------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------|

**Fig3. REMOTE CONTROL**

1. Play/Pause
2. STOP (when in CD/USB/CARD mode). BAND (when in tuner mode).
3. PROG (when in CD/USB/CARD mode). MEM (when in tuner mode).
4. ID3 (when in CD/USB/CARD mode). ASM Auto search & memory function (when in tuner mode).
5. ESP (when in CD/USB/CARD mode). MO/ST (when in tuner mode).
6. REV-SKIP-CUE (when in CD/USB/CARD mode). UP and DOWN (when in tuner mode).
7. FUNC
8. CD/TUNER - switch between CD/USB/Card and and Tuner.
9. SLEEP
10. A-B (CD/USB/Card mode only)
11. Mute (CD/USB/Card mode only)
12. Eject (CD/USB/Card mode only)
13. Repeat (CD/USB/CARD mode only)
14. Folder skip up and down (when in CD/USB/Card mode). M-Down and M-UP skip to the next or previous saved station (when in tuner mode).
15. +10 Used to select a station preset (when in tuner mode) eg. for a station saved as 23, press 3, then press +10 twice. Used for track selection (when in CD/USB/Card mode) eg. for track 36, press 6, then press +10 3 times.
16. Direct (tuner mode only). Allows direct input of frequency. Press direct, input frequency (eg: for FM 96.1 enter "961") then press direct again to save (change) frequency/station.
17. 1 - 10 Station preset keys (when in tuner mode). 0 - 9 Track selection keys (when in CD/USB/Card mode).



**Specifications**

**Tuner**  
 Radio Broadcast: .....FM 87.5 MHz – 108 MHz / AM 522 kHz – 1620 kHz  
 Radio Memories: .....FM x 60/ AM x 40  
 Output: .....1.2V ± 2dB

**CD Player**

Frequency Response CD: .....20Hz – 20kHz ± 3 dB  
 Output Level: .....1.2V ± 2 dB ( 1kHz / 0 dB )  
 S/N Ratio: .....More than 80 dB

**Overall specifications**

Supply Voltage: .....240V a.c.  
 Dimensions (mm): .....430W x 44H x 250D (without rack ears)  
 Remote Control Range: .....3m (optimal), 5m (max)

For repair or service please contact your place of purchase.

**Note: Under no circumstances should you attempt to repair the player yourself or via a non-authorized Altronics service centre as this will invalidate the warranty! During the warranty period, we undertake to repair or replace your product at no charge if found to be defective due to a manufacturing fault. The warranty excludes damage by misuse, neglect, shipping accident, incorrect installation or no fault found.**

**NOT FIELD SERVICEABLE.**

Distributed by Altronic Distributors Pty. Ltd. Perth. Western Australia.  
 Phone: 1300 780 999 Fax: 1300 790 999 Internet: www.altronics.com.au

**Operation**

**POWER ON/OFF:** The unit has a main power switch. When the main power is switched on, both LCD displays will light up.

**RADIO:**

1. Press the BAND button (on either the unit, see Fig.1, or the remote, see Fig. 3) to select between FM or AM.
2. Press the DOWN or UP (on either the unit, see Fig.1, or the remote, see Fig. 3) buttons to tune in to the desired station.
3. To automatically scan for stations, press and hold the UP or DOWN buttons for a second. The unit will scan and stop when it reaches a station.
4. To store current station to memory, tune to the station desired - press the memory button, select preset 1 to 5, or to access presets higher than 5 press 1-5, then press +5 to reach the desired preset number (eg. for 16 press 1, then press +5 three times. If you are using the remote, you can use buttons 1-9 and +10. Then press the memory button again. You can store up to 60 FM stations and 40 AM stations.
5. Access preset stations using the number keys and +5 (on the unit, see Fig.3) or +10 (on the remote, see Fig.1). Me-Up and Me-Down (M-UP and M-Down on the remote) are used to skip up or down to the next station preset.

**AUDIO PLAYER:**

**CD OPERATION - COMPACT DISCS**

The CD player accepts both 12CM and 8CM compact discs. Insert a disc into the slot with the data side facing down, and press the play button (on either the unit, see Fig.1, or the remote, see Fig. 3) to begin playback. Use the CD/TUNER button on the remote control (see Fig.3) to switch to CD/USB/Card Mode. The CD on indicator LED will light up and the display panel will display CD and the Track number and playing time.

**Warning: When inserting a disk into the CD player or taking a disc out, it is necessary to let the CD player insert the disk and return automatically. Do not force the disc in or out of the disc slot as this may cause serious damage to the unit.**

- If the unit does not accept a CD, check that Card or USB modes are not selected. Press the FUNC (on either the unit, see Fig.1, or the remote, see Fig. 3) button until CD displays. Press PLAY in order for the unit to load and recognise the CD.
- If the unit does not eject a CD, check that Card or USB modes are not selected. Press FUNC button until CD displays. Press PLAY in order for the unit to load and recognise the CD, then STOP/EJECT. The CD will now eject.

**STOP and EJECT:** Press STOP on the front panel (see Fig.1) once to stop playback. The display will show total track numbers and total time. Press EJECT and the disc will eject.

**REPEAT:** Press REPEAT (on either the unit, see Fig.1, or the remote, see Fig. 3) to repeat playing the current track only. Press repeat a second time to repeat all the tracks. Press repeat a third time to repeat all tracks in random. Pressing a fourth time returns to the normal play all mode.

**PLAY/PAUSE:** (On either the unit, see Fig.1, or the remote, see Fig. 3) Press to pause playback, press again to resume playback.

**REV-SKIP-CUE:** Press the REV and SKIP buttons (on either the unit, see Fig.1, or the remote, see Fig. 3) to skip 1 track forwards or backwards.

**A-B:** This function allows a selected section of music source to be continually repeated. Press A-B (on either the unit, see Fig.1, or the remote, see Fig. 3) once to select the start position. The display will show A and B will be flashing. Press again at the desired end position. The display will now show AB and the selected music source selection will be continually repeated. Press A-B again will cancel repeat function.

**CD OPERATION - MP3s:**

When an MP3 disc is inserted, the CD player's display will show "MP3". Once playing the display will show folder number, track number and elapsed playing time. All functions operate in the same manner as regular CD playback with the addition of the FOLDER function. This function allows you to select folders of MP3 files on a disc. These are selected in alphanumeric order.

**SD/MMC Card:**

Insert SD Card or MMC Card into the slot on the front panel (see Fig1.). Push the card into the slot until it clicks into the slot. Press FUNC source button until the screen displays "CARD", then press PLAY/PAUSE to begin playback. Folders on the card may be navigated using the FOLDER button. These are selected in alphanumeric order. The display and all other functions are the same as MP3 CD operation.

**When taking the card out push the card until you hear it click and then release the card. Do not use force to pull the card out as this may cause damage to the card or the unit.**

**USB Flash Memory Stick:**

Insert USB into the USB slot on the front panel. Press FUNC until the screen displays "USB". Press PLAY / PAUSE to start playback. Folders on the card may be navigated using the FOLDER button. These are selected in alphanumeric order. The display and all other functions are the same as MP3 CD operation.

**Track Programming:**

To Program a CD.  
1. Press PROG button. The unit will display:

PROGRAM  
CD P-01 00

Where P-01 is the number of track to be programmed (ie first track) and 00 is the track number.

2. Press CUE button until the desired track number is selected.
3. To enter this track number in program memory press PROG.
4. Repeat procedures 2-3 above until all of the desired tracks are programmed.
5. When all tracks are programmed, press PLAY and playback will start.
6. Playback can be stopped at any time by using the STOP button. To cancel the program memory press STOP button again after playback has ceased. (ie STOP button has been pressed twice)

To program using MP3 CDs, USB or SD card.

1. Press PROG button. The unit will display:

PROGRAM  
P-01 000 0000

Where P-01 is the number of track to be programmed (ie first track), 000 is the folder number, and 0000 is the track number.

2. Press CUE button until the desired folder number is selected.
3. Then press PROG button to program the track number.
4. Press CUE button until the desired track number is selected.
5. Press PROG button to enter this folder and track number into memory.
6. Repeat the above steps 2-5 until all of the desired tracks are programmed.
7. When all tracks are programmed, press PLAY and playback will start.
8. Playback can be stopped at any time by using the STOP button. To cancel the program memory press STOP button again after playback has ceased. (ie STOP button has been pressed twice)

The RS-232 port set to a baud rate of 9600, 8 data bits, no parity, 1 stop bit, and no flow control						
	1	2	3	4	5	
	ASCII	ASCII	ASCII	HEX	HEX	
<b>CD</b>						
FOLDER SKIP -	E	A	A	0d	0a	
FOLDER SKIP +	E	A	B	0d	0a	
DOWN	E	A	C	0d	0a	
UP	E	A	D	0d	0a	
STOP	E	A	E	0d	0a	
PLAY/PAUSE	E	A	F	0d	0a	
EJECT	E	A	G	0d	0a	
PROG	E	A	H	0d	0a	
ESP	E	A	I	0d	0a	
ID3	E	A	J	0d	0a	
MUTE	E	A	K	0d	0a	
REPEAT	E	A	L	0d	0a	
FUNC	E	A	M	0d	0a	
A-B	E	A	N	0d	0a	
0	E	A	0	0d	0a	
1	E	A	1	0d	0a	
2	E	A	2	0d	0a	
3	E	A	3	0d	0a	
4	E	A	4	0d	0a	
5	E	A	5	0d	0a	
6	E	A	6	0d	0a	
7	E	A	7	0d	0a	
8	E	A	8	0d	0a	
9	E	A	9	0d	0a	
<b>TUNER</b>						
1	E	C	A	0d	0a	
2	E	C	B	0d	0a	
3	E	C	C	0d	0a	
4	E	C	D	0d	0a	
5	E	C	E	0d	0a	
6	E	C	F	0d	0a	
7	E	C	G	0d	0a	
8	E	C	H	0d	0a	
9	E	C	I	0d	0a	
10/0	E	C	J	0d	0a	
+10	E	C	K	0d	0a	
DIRECT	E	C	L	0d	0a	
DOWN	E	C	M	0d	0a	
UP	E	C	N	0d	0a	
ME-UP	E	C	0	0d	0a	
ME-DOWN	E	C	1	0d	0a	
MEMORY	E	C	2	0d	0a	
ASM	E	C	3	0d	0a	
MO/ST	E	C	4	0d	0a	
SLEEP	E	C	5	0d	0a	
BAND	E	C	6	0d	0a	
Auto search DOWN	E	C	7	0d	0a	
Auto search UP	E	C	8	0d	0a	
	ASCII	ASCII	ASCII	HEX	HEX	
Answer from device if all ok	+	O	K	0d	0a	
Answer from device if not all ok	+	E	R	0d	0a	