

axis



AT1900BT

12/24V WATER/DUST PROOF AM/FM MULTIMEDIA PLAYER

SPECIFICATIONS

GENERAL

- Fixed Face Panel
- Mechless (without CD deck)
- IP54 Dust/Water Resistant Face & Body
- Conformal Coated PCB
- "Ultra Memory" To retain preset settings after battery is disconnected
- Steering Wheel Control (3 Wire, 12 Function Programmable)
- Illuminated Controls (White)
- Digital Clock
- ISO DIN Mounting
- Mini DIN Chassis (96mm)
- Face Panel: 188W x 58Hmm
- Chassis: 178W x 50H x 96Dmm
- 12/24 Volt DC (10.8-32V) Negative Ground
- Max Power 40 Watts x 4 CH (24V)

TUNER

- PLL Synthesized AM/FM Stereo
- Elite RDS Tuner
- FM 87.5-108 MHz; AM 522-1710 MHz
- 30 Station Presets - 18FM/12AM Memory
- Station Seek/Preset Scan/Auto Store
- Automatic or Manual Tuning
- Local/Distant Control
- Mono/Stereo

BLUETOOTH

- Bluetooth in Phone Mode
- Pick-Up/End Call
- Internal/External Microphone - Selectable
- A2DP Audio Streaming
- Scrolling Song Title Display

MULTIMEDIA

- USB Input: Rear (with Charging)
- RCA AUX-IN: Rear
- 2 Ch RCA Line Out
- Intro/Repeat/Random Play/Pause
- Track Down/Up (MP3/WMA Files)
- Directory Down/Up

AUDIO CONTROL

- Rotary Encoder
- Electronic Volume/Balance/Fader/Bass/Treble
- Loud/Mute
- 4-Band DSP Settings
- Speaker Impedance 4-8 Ohm
- Tele Mute

INCLUDED

- ISO Wiring Harness
- Installation Hardware
- 1 DIN Cradle

OPTIONAL

- Mounting U-Bracket
- External Handsfree Microphone

2YR WTY

INSTRUCTION MANUAL

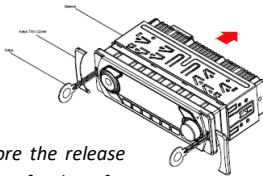
WIRING CONNECTION

CONSIDERATIONS

1. Please read these instructions carefully before installation.
2. Ensure all speaker cables are connected before powering the unit.
3. Insulate all exposed wires to avoid short circuit.
4. Please secure all wires after installation.
5. This player suits 12/24V DC vehicles.
6. Please confirm that all wires are correctly connected.
Wrong connections may cause faults or void the warranty.

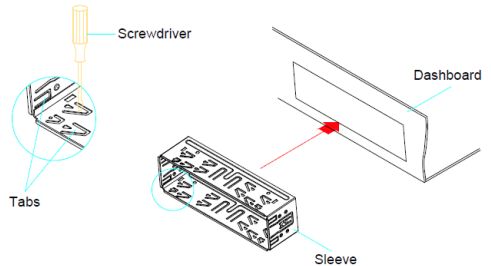
INSTALLING THE UNIT

1 - Remove the mounting sleeve

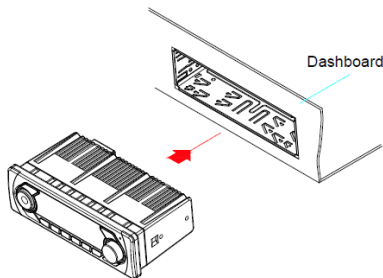


NOTE: Store the release keys in a safe place for future use

2 - Insert the sleeve into the dashboard and bend the tabs if necessary

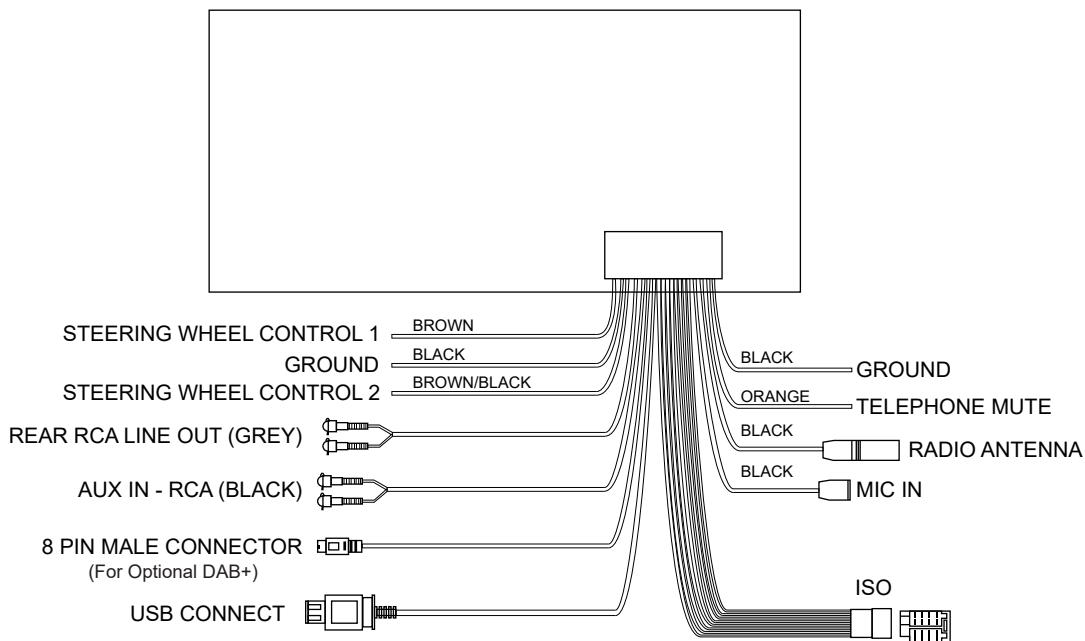


3 - Slide the unit into sleeve



WIRING CONNECTION

WIRING CONNECTION

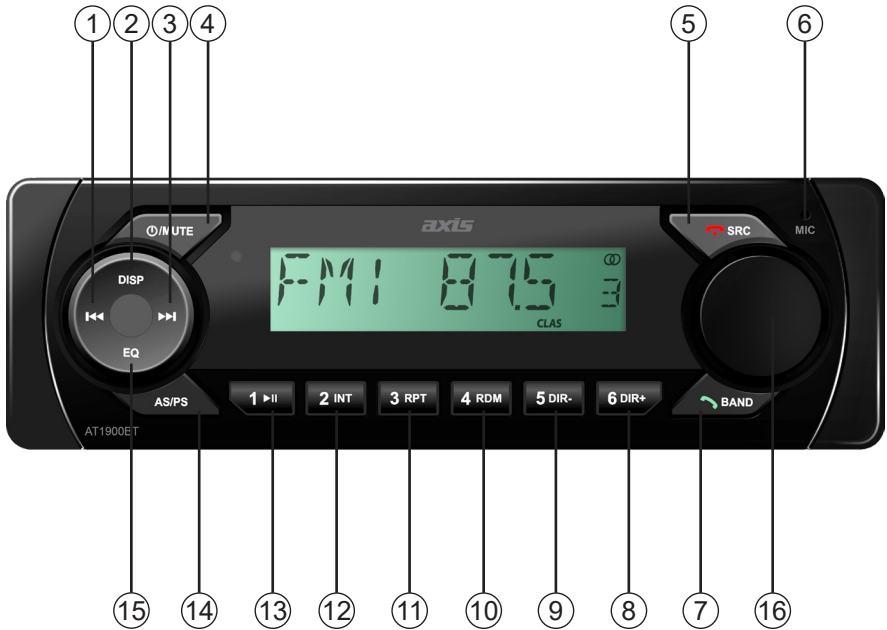


NO	WIRE COLOUR	DESCRIPTION	NO	WIRE COLOUR	DESCRIPTION
A1			B1	PURPLE	RIGHT REAR SPEAKER +
A2			B2	PURPLE/BLACK	RIGHT REAR SPEAKER -
A3			B3	GREY	RIGHT FRONT SPEAKER +
A4	YELLOW	B+	B4	GREY/BLACK	RIGHT FRONT SPEAKER -
A5	BLUE	ANTENNA	B5	WHITE	LEFT FRONT SPEAKER +
A6			B6	WHITE/BLACK	LEFT FRONT SPEAKER -
A7	RED	ACC	B7	GREEN	LEFT REAR SPEAKER +
A8	BLACK	GROUND	B8	GREEN/GREEN	LEFT REAR SPEAKER -

IMPORTANT NOTES:

1. This player can only be used in a 12/24V DC system
2. Do not connect the battery until all cables are attached.
3. Connect yellow wire to the positive of the battery (+).
4. When changing fuses, please replace with the same specification amperage.
5. Good quality speakers with 4-8 ohm impedance will provide the best audio result.

LOCATION OF CONTROLS



1. ◀◀ (Seek Down)
2. DISP (Display)
3. ▶▶ (Seek Up)
4. ⏻/MUTE (Power / Mute)
5. 📞 SRC (End Call/Source Select)
6. 🎤 MIC (Microphone)
7. 📞 BAND (Answer Call/Band Select)
8. 6/DIR+ (Preset 6/Directory Up)
9. 5/DIR- (Preset 5/Directory Down)
10. 4/RDM (Preset 4/Random)
11. 3/RPT (Preset 3/Repeat)
12. 2/INT (Preset 2/Introduction)
13. 1/ ▶▶ (Preset 1/Play/Pause)
14. AS/PS (Auto Store/Preset Scan)
15. EQ (Equaliser Settings)
16. VOL/Select

KEY FUNCTIONS

KEYS	ACTION	RADIO	USB	AUX	BT
POWER /MUTE	Short	Power On/Mute	Power On/Mute	Power On/Mute	Power On/Mute
	Long	Power Off	Power Off	Power Off	Power Off
SRC/ 	Short	Change Source/ Hang Up	Change Source/ Hang Up	Change Source/ Hang Up	Change Source/ Hang Up/Delete
	Long	BT Off/Link	BT Off/Link	BT Off/Link	BT Off/Link
BAND/ 	Short	Answer/ Band Change	Answer	Answer	Answer/Dial
	Long	Auto store	/	/	/
AS/PS	Short	Preset Scan	Song Search	/	Phone Call Transfer
	Long	Auto Store	/	/	/
DISP	Short	Clock/Info	Info/title /Sch: 0	Clock/Info	Clock/Info
	Long	Clock Setting Show Clock	Clock Setting	Clock Setting	Clock Setting
EQ	Short	FLAT-CLAS-POP-ROCK-EQ OFF	FLAT-CLAS-POP-ROCK-EQ OFF	FLAT-CLAS-POP-ROCK-EQ OFF	FLAT-CLAS-POP-ROCK-EQ OFF
	Long	LOUD On/Off	LOUD On/Off	LOUD On/Off	LOUD On/Off
>>	Short	Seek Up	Next File	/	Next File/Dial:9
	Long	Turn Up	FF	/	/
<<	Short	Seek Down	Previous File/Sch:8	/	Previous File/Dial:8
	Long	Turn Down	FR	/	/
VOL	Rotary	Volume Up/Down	Volume Up/Down	Volume Up/Down	Volume Up/Down
SEL (PUSH VOL)	Short	BAL-FAD-FLAT-LOUD	BAL-FAD-FLAT-LOUD	BAL-FAD-FLAT-LOUD	BAL-FAD-FLAT-LOUD
	Long	AF-TA-PTY-REG-BEEP-CLOCK-P_VOL-SWC-DX-ST	AF-TA- BEEP-CLOCK-P_VOL- SWC	AF-TA- BEEP-CLOCK-P_VOL- SWC	AF-TA- BEEP-CLOCK-P_VOL- SWC
1/PAU	Short	Recall M1 Station	Play/Pause/Sch:1	/	Play/Pause/Dial:1
	Long	Save Station to M1	/	Software Version	/
2/INT	Short	Recall M2 Station	INT ON/OFF/Sch:2	/	Dial:2
	Long	Save Station to M2	/	Reset (5 sec)	/
3/RPT	Short	Recall M3 Station	RPT ONE/ALL/Sch:3	/	Dial:3
	Long	Save Station to M3	/	/	/
4/RDM	Short	Recall M4 Station	RDM ON/OFF/Sch:4	/	Dial:4
	Long	Save Station to M4	/	/	/
5/DIR-	Short	Recall M5 Station	DIR-/Sch:5	/	Dial:5
	Long	Save Station to M5	-10	/	*
6/DIR+	Short	Recall M6 Station	DIR+/Sch:6	/	Dial:6
	Long	Save Station to M6	+10	/	#

OPERATION

BASIC OPERATION

Turn On/Off and Mute Function

Press **⏻**/**MUTE** button to turn on the unit. When system is on, press this button to turn mute on/off. Press and hold **⏻**/**MUTE** to power the unit off.

Audio and Setting Menu Adjustment

- Repeatedly press **SEL** button for the audio menu:
BAS(Bass)-TRE(Treble)-BAL(Balance)- FAD(Fader)-EQ-LOUD(Loudness)
 - Press and hold **SEL** button for the setting menu:
AF-TA-PTY-REG-BEEP-CLOCK-P_VOL-SWC-DX-STEREO
- In each menu item, rotate the **VOL** knob to adjust and set.

Display the Clock or Information

Press **DISP** button to show the clock or information.

Clock Setting

Press and hold **DISP** button for 2 seconds. "HH" will flash. Rotate **VOL** knob to change the hour. After that press **SEL** button. "MM" will flash. Rotate **VOL** knob to change the minutes. Then press **SEL** button once again to confirm changes.

EQ and Loud Function

Press **EQ** button to select preset mode: FLAT-CLASS-POP-ROCK-EQ.OFF.
Press and hold **EQ** button for LOUD on/off function.

SWC (Steering Wheel Control) Function

In SWC mode of the setting menu, rotate **VOL** to desired function and press **VOL** knob to select (eg. BAND). Then press and hold the corresponding button (**BAND**) on the steering wheel for 1 second. When LCD shows OK, the pairing is successful. Repeat steps above to program other buttons.

Resetting the Unit

In AUX mode, press and hold "2" button for 5 seconds for reset function.

A reset would be required due to the following:

- a) Some buttons do not operate.
- b) Error symbol shown on the display.

Note: If the **RESET** function is activated, all memory (settings & station presets) will be cleared.

Auxiliary Input

Press **SRC** button to switch to **AUX** mode when connecting an external audio source.

OPERATION

RADIO OPERATION: Receive a Radio Station

Press **SRC** button to select radio mode, then press **BAND** button to select a band.
Press **▶▶/◀◀** button to receive the desired radio station.
Press and hold **▶▶/◀◀** button for manual tuning the frequency.

Auto Store

Press **AS/PS** button for 2 seconds to auto store stations to numeric buttons 1-6 of band 1~3.

Preset Scan

Press **AS/PS** button to scan the preset stations stored in numeric buttons 1-6 of band 1~3.

Manually Store Station & Recall Preset Station

Tune to a station with **◀◀** or **▶▶** button. Press and hold one of the 1- 6 preset buttons for 2 seconds. The current station is stored into the number button.
Press the preset button (1~6) to directly listen the stations saved to the corresponding preset buttons.

USB PLAY OPERATION

When a USB is inserted, the unit will search the Track/MP3/WMA files and start to play. If a USB/SD card is already inserted in the unit, continue pressing the **SRC** button until the USB symbol appears.

Select File

Press **▶▶/◀◀** button to skip to next/previous file.
Press and hold **▶▶/◀◀** button to fast forward or fast reverse.

Play/Pause

Press **▶||** button to pause/play the file.

INT Function

Press **INT** button to play the first 10 seconds of each file.
Press **INT** button again to cancel this function.

RPT Function

Press **RPT** button to select repeat mode.

RPT ONE: Repeat the same file.

RPT ALL: Repeat all files (default).

Random Function

Press **RDM** button and all files will be played randomly.
Press **RDM** again to cancel this function.

Select a Directory

Press **DIR+/DIR-** button to select directory forward or back.

+10/-10 File Function

Press and hold **DIR+/ DIR-** button for 2 seconds to skip +10/-10 files at a time.

OPERATION

Song Search

Press **AS/PS** button to select song search mode as below:

1) DIR Search

Press **AS/PS** button once. "DIR SCH" is displayed. Rotate **VOL** knob to select the folder, then press **SEL** knob to enter that folder. Rotate the **VOL** knob again to select the song. Then press **SEL** to confirm. The unit then searches the selected song to play.

2) NUM Search:

Press **AS/PS** button twice. "NUM SCH" is displayed. Select the song by directly entering numeric buttons 1~6 (see the key function table).

*Note: You can also rotate the **VOL** knob to select the song number. If the song number was selected, the unit will wait for **SEL** knob for a few seconds and then search the song, even if the **SEL** knob-button is not pressed.*

Note: When connecting an MP3 player to unit that has a non rechargeable battery, remove the battery from the MP3 player and then connect it to the USB interface. Otherwise, battery damage may occur to the MP3 player.

CAUTION: When there are important files on the disc or USB, do not connect it to the main unit for playback. This is because some operations may cause loss or damage to important files and AXIS assumes no responsibility for this.

RDS (RADIO DATA SYSTEM) OPERATION

Alternative Frequency (AF)

Setting the **AF** to on/off: In **AF** mode of the setting menu (press and hold **VOL** knob).

AF On: Symbol "AF" appears on the display. The Program name is displayed when receiving a RDS station. "AF" symbol starts blinking if the broadcasting signal is getting weak. The unit will automatically search for a stronger station from AF list and switch to that better signal station. If no strong station is found in the AF list, PI SEEK mode will be activated.

AF Off: Switch off the AF mode.

ALARM:

"ALARM" will be displayed when an emergency broadcast is received. Meanwhile, the sound output level will be automatically adjusted to the preset output level.

REG On/Off:

Setting the **REG** to on/off: In **REG** mode of the setting menu (press & hold **VOL** knob).

REG On: The current listening program remains unchanged.

REG Off: Allows the reception to move to a regional station.

OPERATION

Traffic Announcement (TA)

In **TA** mode of the menu, press and hold **VOL** knob to set the **TA** to on/off.

TA On: When a TA station is received, the unit will temporarily switch to radio mode to listen to the TA station in RADIO/USB/AUX/BT mode. If the volume level was under the TA volume it will automatically be raised to the TA volume.

TA Stop (TA interruption function):

To temporarily return to previous mode until next TA station is received.

TA Off: Turn off the TA function.

PTY Operation




In **PTY** mode of the menu, press and hold **VOL** knob. **PTY SEL** will be displayed. Rotate the **VOL** knob to select **PTY** category. Once the desired **PTY** category is located, press **VOL** knob to search.

BLUETOOTH OPERATION



PAIRING


Turn on Bluetooth search on your mobile phone for Bluetooth devices. "**AX1 BT**" should appear in the list. Select "**AX1 BT**" and then input password "**0000**" if required. When successfully paired, BT will be displayed on the LCD.

Answering / Rejecting an Incoming Call

When there is an incoming call, press  key to answer. Press  hang up key to reject the call. To finish a conversation, press  key to hang up call.

Making a Call



In BT mode, press  key. The LCD will become blank. Here you can enter the desired phone number and press  key to dial.

(Note: Press the  key to delete a wrong number.)


Transfer the Call between Mobile Phone and Unit

During a call, press **AS/PS** button to transfer the phone call between the mobile phone and the unit.

Bluetooth Audio Streaming (A2DP Function)

Press **SRC** button to switch to BT mode. This will automatically stream audio via your mobile device. Press  key to pause/play the song. Press  button to select next/previous song. *NOTE: On your mobile phone, it may be necessary to switch playback via the Bluetooth stereo headset. Consult the operating manual of your mobile phone for more information.*

Disconnect the Bluetooth

After the mobile phone is paired with the unit, press and hold  button for 2 seconds to disconnect Bluetooth pairing.

MEMORY BACKUP

The unit is equipped with built-in memory Integrated Circuits to save user settings such as tuner preset stations & audio control settings. Whenever power is disconnected, these settings won't be lost.

SPECIFICATION

SPECIFICATIONS

GENERAL

Power Supply Requirements: DC 12/24 Volts, Negative Ground

Chassis Dimensions: 178 (W) x 96 (D) x 50 (H)

Tone Controls

Bass (at 100 Hz): ± 10 dB

Treble (at 10 kHz) ± 10 dB

Maximum Output Power: 40 Watts x 4 CH (24V)

Current Drain: 10 Amp (max.)

RADIO

FM

Frequency Coverage 87.5 to 108 MHz.

IF 10.7 MHz

Sensitivity (S/N=30dB) 4 μ V

Stereo Separation >25Db

AM

Frequency Coverage 531 to 1602 KHz

IF 450 kHz

Sensitivity (S/N=20dB) 36 dBuV

TROUBLE SHOOTING

Before going through the checklist below, please check all wiring connections. If any of the problems persist after checking, consult your nearest AXIS Car Audio service centre.

Symptom	Cause	Solution
No power	The car ignition switch is not on.	If the power supply is connected to the accessory circuit, but the engine is not on, switch the ignition key to "ACC".
	The fuse is blown.	Replace the fuse with one of same amperage.
No sound	Volume is set to minimum	Adjust volume to a desired level.
	Wiring is not properly connected.	Check wiring connection.
Unit has frozen/operation keys no longer work	The built-in microcomputer may not operate properly due to electrical noise.	RESET the unit (see page 6).
Poor radio reception	The antenna cable is not connected.	Insert the antenna cable firmly.
	The radio station automatic selection does not work	Replace with sensitive antenna.
	Defective antenna	
	The signals are too weak.	Select a station manually.
	Factory antenna is amplified.	Find antenna power wire in factory harness and connect to accessory power.
Condensation appears on inside of front glass panel	Playing the unit continuously at high volume generates heat in this sealed unit. This may react with outside temperature.	Allow unit to cool down by reducing volume or powering off. Condensation should then dissipate.

NOTE: Due to the great variety of devices with USB interfaces that sometimes have manufacturer-specific functions, we cannot guarantee that all media will be recognized and operate on this multimedia unit.

WARRANTY

Congratulations on your purchase of a quality **axis** Mobile Entertainment System! You're joining thousands of satisfied customers who enjoy & experience the benefits of the products we distribute. In the unlikely event that some technical difficulty arises with your purchase, be assured that we are most anxious to see that the problem is quickly rectified to your satisfaction. Please familiarise yourself with the following simple conditions of our warranty.

This warranty covers faults through component failure or failure of the product to operate in accordance with published specifications. Product failure as a result of unreasonable environmental conditions, accident, misuse, improper installation, unauthorised repair, vehicle electrical or wiring faults or neglect etc, will not be covered by this warranty. Removal and installation costs, if any, would be paid by the owner as well as any freight or postage costs of transporting the product to AudioXtra. AudioXtra shall not be liable or responsible for any loss of use of this product or any form of consequential loss.

CONSUMER WARRANTY

This product is warranted by AudioXtra Pty Ltd to be free from defects in materials and workmanship under **NORMAL USE** for a period of **TWENTY FOUR MONTHS** from the date of purchase.

WITHIN 30 DAYS OF PURCHASE DATE: Please return the unit for replacement to our National Service Centre or the Retailer from where you made the purchase. All accessories must be included. Proof of purchase date **must** accompany the products.

AFTER 30 DAYS OF PURCHASE DATE: Warranty repair and service is carried out by our National Service Centre. Repair and service will be carried out at no cost to the owner if proof of ownership and the date of purchase can be verified to the satisfaction of the authorised centre concerned with this repair. This proof should take the form of either:

- a) The warranty card accompanying this product, stamped and dated by the dealer.
- b) A Tax Invoice or Receipt showing full details of original vendor, purchaser, model number and serial number.

COMMERCIAL WARRANTY: A product used in or associated with a commercial application will carry a limited **SIX MONTH** warranty. An abnormal commercial application is one where usage, dust, vibration, heat/cold and other environmental conditions exist at an extreme level.

Our goods come with guarantees that cannot be excluded under the Australian Consumer Law. You are entitled to a replacement or refund for a major failure and for compensation for any other reasonably foreseeable loss or damage. You are also entitled to have the goods repaired or replaced if the goods fail to be of acceptable quality and the failure does not amount to a major failure.

Please complete details below in the event of warranty service being required.

Purchaser's Name: _____

Purchaser's Address: _____

Model Number: **AT1900BT** Serial Number: _____

Dealer Name: _____ Date of Purchase: / /

Dealer Address: _____

Invoice/Sales Docket no: _____

General Hints: To expedite service and prompt return of the equipment, please:

- a) Clearly describe the fault in detail
- b) Safety and security pack the unit for transport
- c) Include your return address
- d) Provide proof of purchase date as outlined above

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