

9 BANE
AUDIO



TJ1001

Operations Manual

v1.0

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Congratulations! If you are reading this, then you are most likely the proud owner of a new TJ1001 multimedia and navigation head unit. The purpose of this document is to give you a basic overview of some of the features and functionality of the TJ1001. We recommend you read this manual in its entirety as well as the separate Navigation Manual to familiarize yourself with your new head unit.

If you have any additional questions or need technical support, please e-mail us at support@insanejeepaudio.com

Enjoy your new TJ1001!!

- First and foremost, please use common sense when operating the TJ1001. You should NEVER be operating the unit, watching videos or television while driving. Keep your hands on the wheel and keep your eyes on the road!
- The TJ1001 comes with a wiring harness and everything you need to connect to your vehicle, however, if you aren't comfortable with this then we highly recommend having the TJ1001 installed by a professional. If you're doing any kind of aftermarket audio setup or customization, please consult a professional installer.
- Never attempt to open your TJ1001 or repair it yourself. Doing so is not only dangerous, but it will void your warranty.



GPS

Mute / Power

CD/DVD Player

AM/FM

Bluetooth

BAND

DISC

NAVI

B.T.

CLK

SD

TUNE

Hang Up
(Bluetooth)

Volume

Accept Call
(Bluetooth)

BASIC OPERATIONS


Mini USB Port
Eject Disc
Time Display (disc mode)
MicroSD Slot



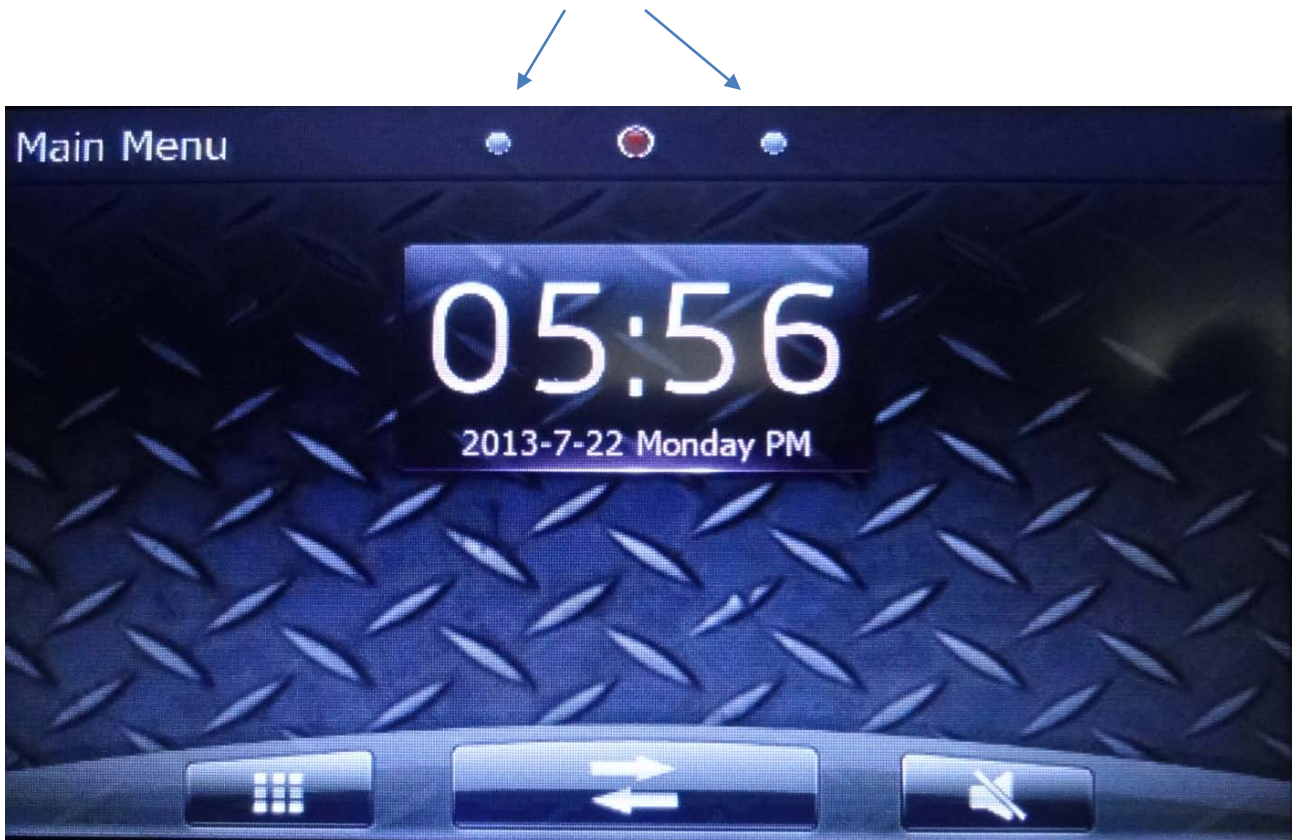
Fast Forward / Rewind (disc mode)
or
Manual Scan (radio mode)

APS

Seek


- Your TJ1001 comes with a high resolution digital touch screen display.
- To access the main menu, press the  home button on the upper right corner of the unit.
- You can access additional functionality by swiping the screen in either direction (similar to how most smart phones operate)








Alternatively, you can press one of the small round buttons on the top of the screen to access each screen directly.



- There two other screens which contain icons that access additional features of your TJ1001



- **Your touch screen contains a special protective coating from the factory, however, you still should take a few simple steps to ensure years of trouble free use.**
 - When cleaning your TJ1001, power it off first
 - Use only a lint-free or microfiber cloth
 - Never use any chemicals or cleaning products on the touch screen. A very small amount of soapy water will do the trick
 - After cleaning, make sure that the surface is free from moisture by wiping it with a dry lint-free cloth
- You can customize the menus on your TJ1001 by moving around the icons however you'd like. Simply press and hold the icon for a few seconds, then drag it to your desired location. You can even drag it to different screens if you would like.
- You can change the background on the touch screen menu by clicking on the "Theme" icon that is located on the far left screen by default.
- The  button on the main menu will switch between a digital and analog clock display.


- To access the radio, press the  icon on the touchscreen or the BAND button on the face of the unit.
- Press the BND button on the user interface to select between FM1, FM2, FM3, AM1 and AM2
- The  and  icons will seek to the next station. You can also use the knob on the right hand side of the TJ1001 to seek stations.
- You can manually change stations by holding the  or the  icon for more then one second. Alternatively, you can use the  or  buttons on the face of your TJ1001.



- To store a station as a preset, simply press and hold one of the top station presets for more than one second.
- The APS button will scan each preset for 7 seconds. Press the APS button again to remain on a given preset. Alternatively, there is a manual apps button on the right hand side of your TJ1001 (by the seek knob) offering the same functionality.
- ST switches between mono and stereo.
TIP: While stereo will give better sound quality, mono is useful when trying to tune into a weak station.

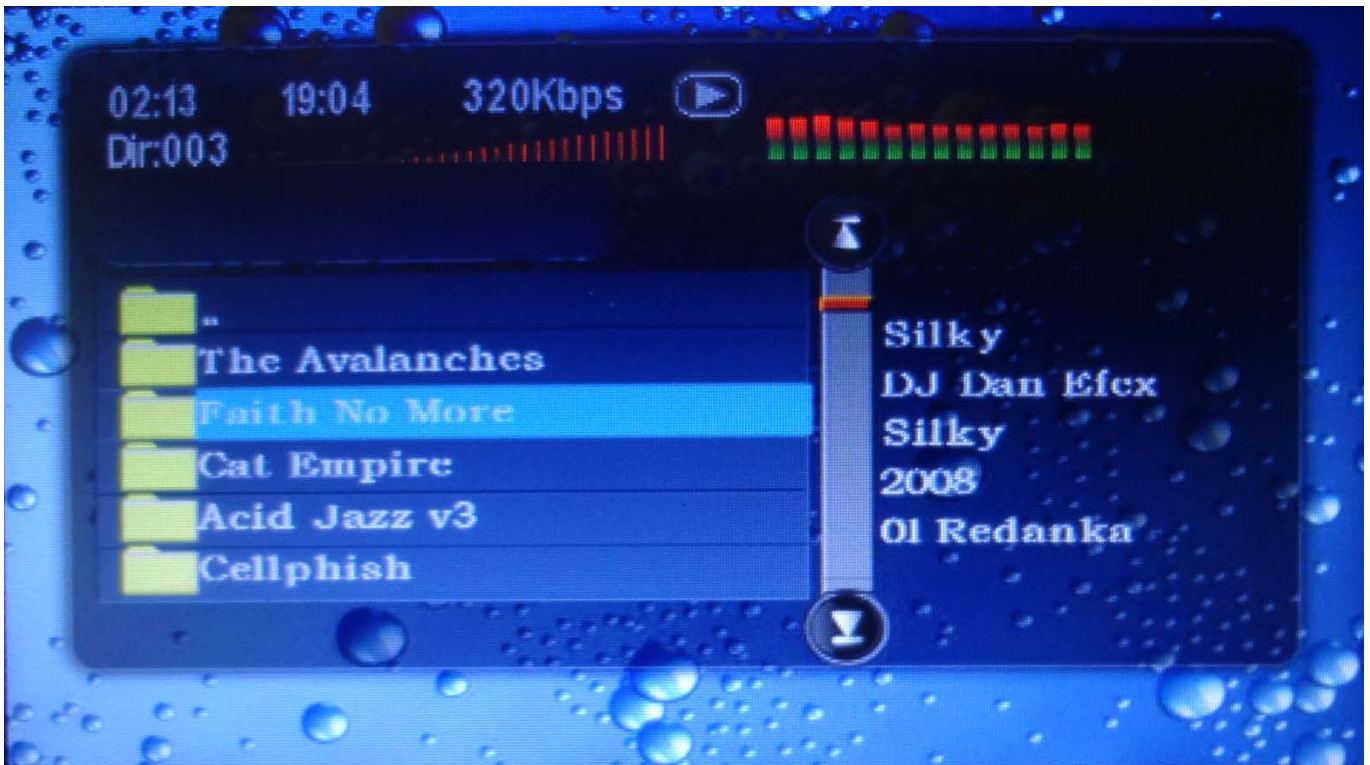
In order to ensure the best sound quality and longevity of your TJ1001, here are a few helpful hints on handling discs:

- Do not touch the playback side of the disc
- Do not stick paper or tape to the disc
- Keep discs away from direct sunlight or heat
- **Avoid leaving discs loaded into the TJ1001 on extremely hot days**
- Do not use discs with remaining glue or ink on the surface
- Do not use discs with a torn tag
- If a disc is dusty, wipe it outwards from the center with a soft microfiber cloth
- Do not use any solvent, alcohol or cleaners on discs
- **Avoid using discs offroad or on a bumpy road.**

- Insert a disc (with the label side upward) and your TJ1001 will automatically start playing.
- You can also access disc mode by pressing the DISC button on the face of your TJ1001 or by pressing the DISC icon from the touch screen menu.
- Press the  button on the front panel to eject a disc
- You can control playback through the seek and fast forward buttons on the face of your TJ1001
- Touch the screen and a pop-up menu will allow for additional controls
- Advanced features and functionality can be accessed via the included remote control.
- Your TJ1001 supports a number of different formats including CD, CD-R, CD-RW, VCD, DVD, MP4, MP3, and WMA.

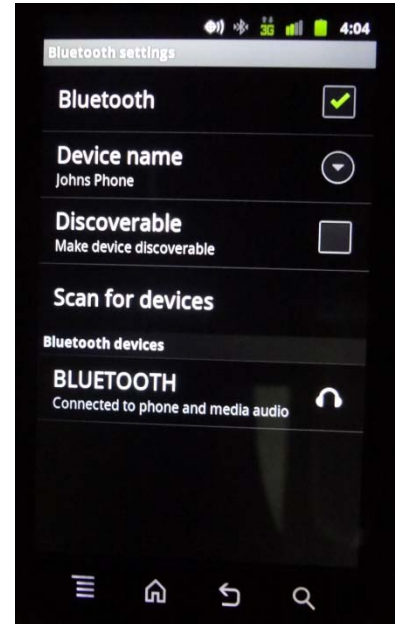
- Your TJ1001 can access multimedia such as videos or music through the USB or SD Card interface
- There is a Micro USB slot on the front of your TJ1001 and a full size USB slot at the rear. (you most likely wired the latter to your glove box)
- The TJ1001 can access up to 32GB of storage through the USB interface.
- The TJ1001 comes with a special cable allowing you to plug a full sized USB thumb drive directly into the Micro USB slot at the front of the unit.
- The TJ1001 has a built-in Micro SD Card slot right in the front of the unit and can support up to 32 GB of storage.
- To access the USB or SD interface, simply select the appropriate icon from the touch screen menu.
- Playback can be controlled from the remote control, the touch screen, or the physical knobs on your TJ1001.


- You can organize your music or movies however you'd like (i.e by genre or artist) by placing them in folders on your media.
- Note that if you place a large amount of music in a single folder, you can press the random button on the remote control to randomly play from all tracks within that folder. This comes in handy for long road trips.



BLUETOOTH PHONE SUPPORT

- Access the Bluetooth menu by pressing the B.T. button on the face of the TJ1001 or via the Bluetooth icon on the touchscreen.
- Connect to the BLUETOOTH device through your smartphone.
- If you are asked for a PIN, enter "0000"



- **Note that while the TJ1001 uses standard technology, we cannot guarantee compatibility with all devices.**
- You can place calls through your telephone, or the touch screen on your TJ1001.
- You can accept calls or hang up with the physical buttons on the face of your TJ1001 or via the touch screen.
- Audio will play through your vehicle speakers and the microphone on the face of the unit (or the external microphone if installed) will transmit your voice.
- Simply talk just as if the other person was sitting next to you.
- Press the  button to access the phonebook screen

BLUETOOTH PHONE SUPPORT

While in the phonebook, you can press the load button to transfer contacts from your smartphone to your TJ1001.



You will now be able to search contacts through this screen.

To access the Bluetooth Audio screen, press the  button from the main Bluetooth menu

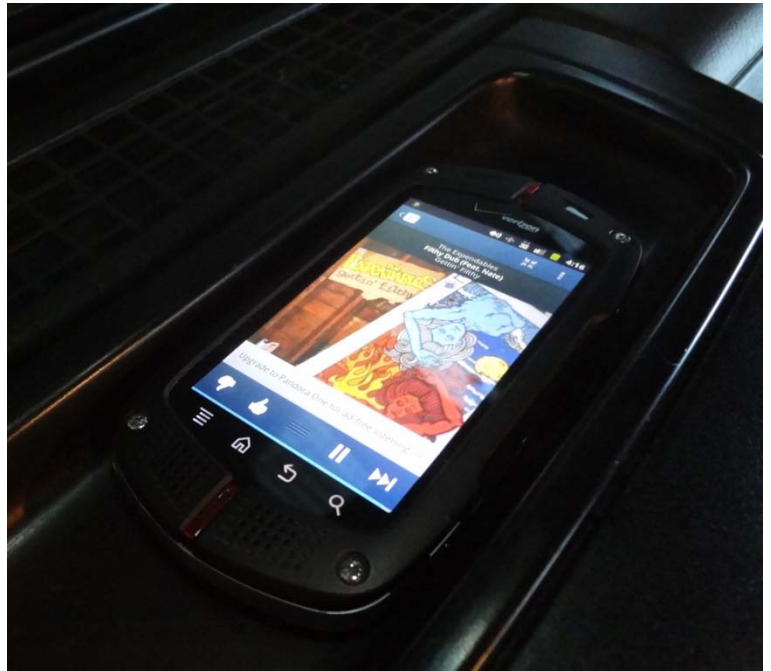



You will then be able to play music wirelessly directly through your smartphone.



- If you have difficulty connecting to bluetooth audio, check the device settings on your smartphone.
- You can control media through your phone directly, or via the touchscreen on your TJ1001.
- This will work with stored media on your phone or internet radio such as Pandora™.

If you are driving a late model TJ (2003 – 2006 Jeep Wrangler), the upper dash tray is a perfect spot to store your smartphone while connected via bluetooth for hands free calling and internet radio....



- Your TJ1001 comes with a built-in ATSC-M digital television tuner.
- To access the television mode, simply click on the  icon from the touchscreen menu.
- Please note that station availability varies widely based on your location.

What is ATSC-M?


On June 12, 2009, all broadcast television in the US switched from analog (NTSC) to digital (ATSC). ATSC is the over-the-air broadcasts that you may receive at home through a newer television or set-top digital converter box. What you may not know is that many stations also broadcast over ATSC-M which is a digital standard developed specifically for mobile devices. ATSC-M provides quality digital television both in the parking lot and on the road. Best of all -- its free.

Will I get all the same stations in my vehicle that I get at home?

Unfortunately, no. Right now, there are more ATSC stations available than there are ATSC-M. Digital television in the US is still relatively new, but the good news is that more and more TV stations are jumping on board every day. ATSC-M is the future for mobile digital television here in the US.

So why doesn't the TJ1001 also support regular ATSC?

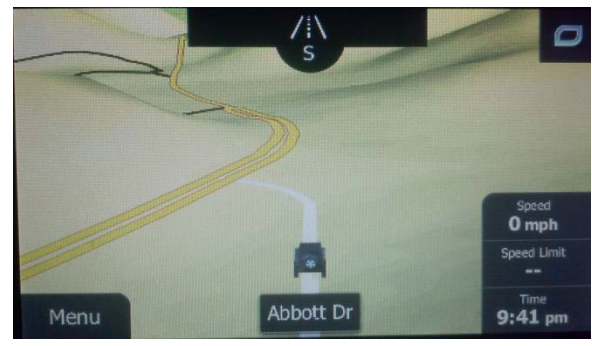
ATSC simply isn't designed for a mobile application and it won't work when the antenna isn't in a fixed location.

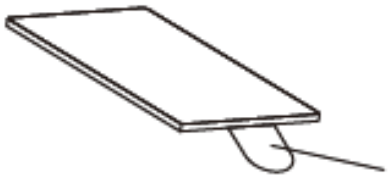
- Your TJ1001 comes with an iPod™ cable and is ready to connect.
- Simply plug in your iPod™ and press the  icon from the touchscreen menu.
- It is important to note that the TJ1001 can only support up to 32GB of music through the iPod™ interface. Should you wish to access a device with more than 32GB of music, you will need to connect it through the aux audio input and control playback through the device itself.

The TJ1001 comes stock with **Insane NavEngine v1.0** – Insane Audio’s Premium 3d Navigation software. This software has so many great features and functionality, that we had to write a separate operations manual just for the navigation component.

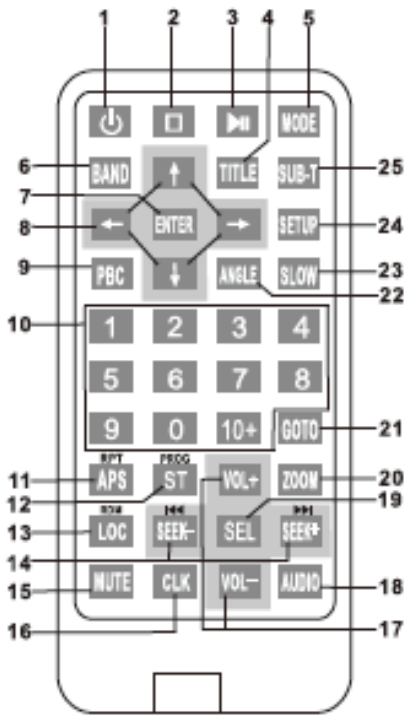
To access the navigation software, either press the NAVI button on the face of the TJ1001 or press the NAVI icon on the touch screen.

Please refer to the TJ1001 Navigation Manual for additional information on how to use this software.





Your TJ1001 came from the factory with a protective tab securing the battery. Remove this first for proper operation.



- 1. POWER BUTTON
- 2. STOP BUTTON
- 3. PAUSE BUTTON
- 4. TITLE BUTTON
- 5. MODE BUTTON
- 6. BAND BUTTON
- 7. ENTER BUTTON
- 8. UP/DOWN/LEFT/RIGHT SELECTING BUTTON
- 9. PBC BUTTON
- 10. NUMBER BUTTON
- 11. RPT/APS BUTTON
- 12. RPOG/ST BUTTON
- 13. LOC/RDM BUTTON
- 14. TUNNING/SELECTING BUTTON
- 15. MUTE BUTTON
- 16. CLK BUTTON
- 17. VOL INCREASE/DECREASE
- 18. AUDIO BUTTON
- 19. SEL BUTTON
- 20. ZOOM BUTTON
- 21. GOTO BUTTON
- 22. ANGLE BUTTON
- 23. SLOW BUTTON
- 24. SETUP BUTTON
- 25. SUB-T BUTTON

FM TUNER

Frequency Range	87.5-108.0 Mhz
Intermediate Frequency	10.7 Mhz
Signal/Noise Ratio	60db
Stereo Separation @ 1KHz	40db

AM TUNER

Frequency Range	522 – 1620 Khz
Intermediate Frequency	450 MHz
Usable Sensitivity	33db

CD PLAYER

Signal/Noise Ratio	80db
Frequency Response	20Hz – 20KHz
Channel Separation	70db

AMPLIFIER

Supply Power	13.8V
Power Output	45W x 4CH
Load Impedance	4-8 Ohms

NOTE: The TJ1001 internal amplifier has an integrated heat protection circuit that will be automatically activated when the internal temperature exceeds 158 degrees Fahrenheit.

If you are operating the unit at maximum volume in extreme temperatures, then it will enter a heat protection mode and will automatically lower the volume and/or turn itself off. This is rare, but necessary in order to protect the unit from damage.

The TJ1001 is designed to fit for the following vehicles:

JEEP

- Jeep Wrangler (2003-2006)
- Jeep Grand Cherokee (1999-2004)
- Jeep Liberty (2002-2007)

CHRYSLER

- Chrysler Grand Voyager (1999-2001)
- Chrysler Sebring Convertible (2002-2006)
- Chrysler Sebring Sedan (2002-2006)
- Chrysler Concorde (2002-2004)
- Chrysler 300M (2002-2004)
- Chrysler Town & Country (2002-2007)
- Chrysler PT Cruiser (2002-2006)

DODGE

- Dodge Grand Caravan (2002-2007)
- Dodge Dakota (2002-2004)
- Dodge Durango (2002-2003)
- Dodge Intrepid (2000 / 2002-2004)
- Dodge Neon (2002-2006)
- Dodge Ram pickup (2002-2006)
- Dodge Stratus Sedan (2002-2006)
- Dodge Viper (2002-2009)