Manual Instruction

Acknowledgements

We are thankful that you have purchased our product!

Vehicle Entertainment System (VES) is integrated with Android4.0/4.1 intelligent OS, supporting thousands of games and applications and offering a large number of features.

In order to maximize use of the product functions, please read this manual carefully before use of this product.

We will not be liable for any damage to this product resulted from any accidents (whether personal events or force majeure), or any loss caused due to any mistake or omission in this document, which may be subject to any change without prior notice.

As we are still working to offer more new functions in this product, its performance and features tend to be changed without any prior notice.

We will take no liability for security of any documents stored in this product when it is used as a storage device.

All rights concerning patents, trademarks, copyrights and any other intellectual properties (such as the user's manual) shall be reserved by us.

Without prior approval of Works Company, no content in this manual shall be, partly or completely, transcribed, photocopied, reprinted or translated. User shall solely take related legal responsibility for copying any content of such kind by using this product.

Contents

Note: Any design or specification may be subject to change without prior notice,
and for any discrepancy, the real product shall prevail.

Considerations

1. Do not have this product exposed to humidity, dust, steam, fume, and direct sunlight or related environmental effects.

2. Use soft cloth, rather than any diluents or chemical cleaning agents to remove dust or dirty on this product.

3. Keep this product away from any hot or cold location (storage temperature: -30 ℃~70 ℃; operation temperature: -10°C~55°C).

4. Do not fall down or strike this product with force.

5. A power supply of DC12V±10% shall be provided for this product.

6. Do not try to repair this product, and for any problem, switch off the power and stop using this product, and then contact your local dealer immediately. As high-precision electronic parts are contained in this product, any disassembly of or update to it by unauthorized personnel may cause damage to it.

Host Manual Instruction

Major Functions and Parameters

●10.1 inches (1280×RGB×800) HD digital LCD and capacitive multi-touch display.

●Embedded WIFI for wireless access, and additional external 3D network adapter supported as well.

●Front 2-million pixels camera for video phone and snapshot.

●Android4.0/4.1 intelligent OS used.

●Embedded flash memory of 16GB and system RAM of 1GB.

●Support for thousands of games and applications as well as customized application programs.

●Support for a wide range of audio formats, including MP3, WMA, APE and FLAC etc.

●Support for a wide range of video formats, including RM/RMVB, AVI, MKV, MOV, DAT and FLV etc. and playback in resolution of 2160.

●Support for view, rotation and slide show of pictures in various formats including JPG, BMP, PNG and GIF etc.

●Embedded microphone for ultra-long sound recording.

●Settings of backlight brightness, display property and interface background etc.

●USB2.0 high-speed transfer port.

●Support for 2G~32G MicroSDHC memory card.

●Main unit audio/video input/output: an L/R earphone out, an FM-out, an AUX-out, a VGA-out, a CVBS-in.

●Power supply of DC(12V±10%)with active current ≤1.2A.

Buttons & Interfaces

1. Microphone Jack   2. Camera   3. Power Button   4. Volume Up

5. Volume Down   6. TF Card Port   7. USB Port   8. Earphone Jack

Basic Operations

Startup
In close-down state, long press " ⏻ " button for 2 seconds to start the device up.

Shutdown
In any state, long press " ⏻ " for about 2 seconds to pop up a dialog for shutdown confirmation, in which press OK to shut the device down.

Power Saving Mode
In power-on state, short press " ⏻ " button to enter power saving mode, and short press " ⏻ " button to wake up the screen and resume the previous state prior to standby.

Return to Upper Level
In any interface, return to upper level by clicking the " ↩ " icon at the left bottom corner.

Return to Desktop
In any interface, return to desktop by clicking the " ⌂ " icon at the left bottom corner.

You can enjoy audio/video playback by connecting a USB device or TF card to the corresponding port at the right side of the main unit.

Note
1. Do not insert USB connector or TF card with excessive force to prevent any damage to the port.
2. Do not strike the touch screen with hard or metal object to prevent damage to the screen; operate on the screen only with your finger instead.
3. In case that the system fails to respond during operation, long press Power button for about 7 seconds to shut it down forcibly, and then long press the same button for about 2 seconds to restart it, and the system may resume.

Main Interface

The main interface is displayed in five pages, between which you can switch by sliding the screen to the left/right.

Change Desktop Wallpaper

Long press in the blank area in the main interface to pop up a menu for setting of desktop wallpaper, from which select your desired one.

Main Interface

Display All Applications
In the main interface, display all installed application programs by clicking the " ▦ " icon on the upper right corner; add the shortcut of an application program to the main interface by long pressing icon of this program.

Add Window Gadgets
In the main interface, click the menu icon " ▦ " icon on the upper right corner; add the shortcut of an application program to the main interface by long pressing icon of this program.

Main Interface

Display Recent Used Programs

In any interface, click the "▢" icon on the bottom left corner to pop up the list of recent used programs, in which click a program icon to run the program. Slide the program icon to the right side to shut down the list of recent used programs.

Display Notification Bar

In the main interface, click the clock display area at the bottom right corner of the screen to open notification panel, where current USB/TF card status, network connection status and other information are displayed.

Delete Desktop Icon

In the main interface, select and long press an application program icon to select it to the "🗑" icon on the upper side of the screen, and when the icon area is displayed in red color, release it to delete it.

Move Desktop Icon

In the main interface, long press an application program icon to select it and move it to a target position.

Browser

Wi-Fi

1. When use this device for the first time, enter WIFI and Network under Settings option, and a prompt "To view available network, please enable Wi-Fi", and then you can enable Wi-Fi to search for any available networks around you; click on the name of a found network to pop up a dialog, in which input the password to access it.

2. Advanced Settings: Click "≡" icon at the upper right corner of Settings interface to enter advanced settings and access network notification.

Web Surfing

1. Click "QGoogle" icon at the upper left corner on the desktop or click Search icon on the menu to input a site address in the popup window, and then click Start or Go To to surf the web.

2. Switch between Keyboard Input Methods: When keyboard interface displays, click the keyboard icon at the bottom right corner of the screen to pop up input methods. The default system input methods include English, Google Pinyin, and Pen and Touch input, you can download and install other input method programs.
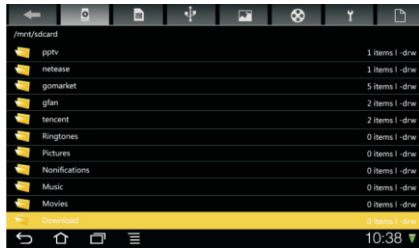
3G Network Setting

1. Connect WIFI network adapter to the USB port on the device.

2. Enter WIFI and Network under Settings option and disable Wi-Fi, as Wi-Fi and 3G network cannot be used simultaneously.

3. Click More under WIFI and Network to access 3G network settings and connect to 3G network.

4. As there are a large number of 3G communication modes available on different 3G devices, the 3G function provided in this product may not be compatible with all external 3G devices.

Note

1. You can download from Android web site and install a program with extension name ".APK", and for more details about the operations, see the section "Install/Uninstall APK Application Program".

2. During web surfing, if the network transfer rate is too low, refresh the web page and wait.

Install/Uninstall APK Application Program

1. Copy the APK program which you want to install to the local disk or a TF card.

2. Enter File Manager and navigate to the APK program and click it to start installation.

Install/Uninstall APK Application Program

1. Click on Settings in the main interface and select Application Program, and then the program to uninstall.
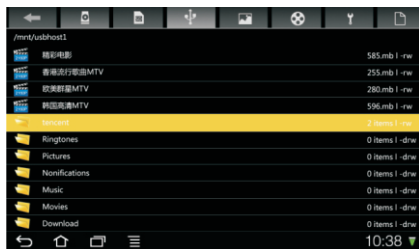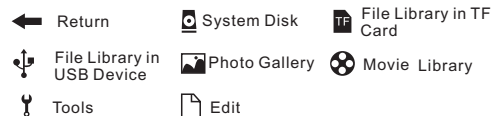

2. Click Uninstall icon to start uninstallation.

Note: Do not uninstall any program originally provided in this device.

File Manager

In the main interface, click File Manager in the menu to enter the following interface:

![Return] **Return**

![System Disk] **System Disk**

![TF] **File Library in TF Card**

![File Library in USB Device] **File Library in USB Device**

![Photo Gallery] **Photo Gallery**

![Movie Library] **Movie Library**

![Tools] **Tools**

![Edit] **Edit**

File Operation

1.Long press a file or folder to pop up a File Operation or Folder Operation window, in which you can delete/rename/copy/cut/paste/compress/extract/send via e-mail any file.

2. Batch File Operation: In File Manager, click " ![icon] " icon at the upper right corner, and icons Paste, Delete, Copy and Cut appear at the bottom of the screen, and then select the target file to perform your desired operation.

3. When you have copied multimedia files from TF card or USB device to the local disk, these files will be displayed in the Playlist in the Audio/Video player.
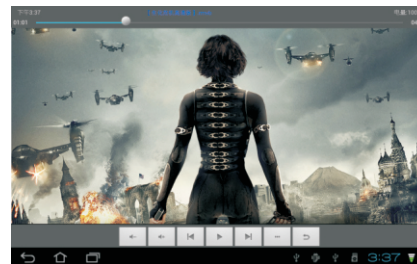
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Video Playback

Select HD Player from the menu to enter file list (this player allows for playback of video or browse of pictures).

File List Window ▷

![Volume Down] **Volume Down**

![Volume Up] **Volume Up**

![Last Track] **Last Track**

![Play/Stop] **Play/Stop**

![Next Track] **Next Track**

![Option] **Option**

![Return] **Return**

Video Playback Window ▷

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Audio Playback

Select Audio Player from the menu to enter audio file list.

File Name: Click it to play the selected music file.

  ⤺：Return to the upper level

  ⌂：Return to main interface

  ▭：View the recent used programs

Playback History: display the recent played files.

Album: Sort and display music files by album

Artist: Sort and display music files by artist

Songs: Display all music files

Playlist: Display all music files in the playlist

Genre: Sort and display music files by genre

In the file list, slide up/down on the screen to page up/down the list.

Audio Playback

⤺ :Return to the upper level

⌂ :Return to the main interface

▭ :View the recent used programs

☰ :Enter sound effect and settings option

❙❙ :Play/pause music

⏮ :Go to the last track; long press it to fast backward

⏭ :Go to the next track; long press it to fast forward

🎧 :Enter playlist

⤬ :Enable/disable random playback mode

⇄ :Switch between playback repeat modes

👍 :Usable song (only available when get access to the network)

👎 :Unusable song (only available when get access to the network)

Video Input

When an available video signal is input, select Video Input from the menu to enter Video Input window.

Camera

Select Camera from the menu to enter Camera window.

+ /− Focusing   ● Snapshot/Record   ⊞ Settings

📷 Snapshot Mode   📹 Record Mode

Recorder

Select Recorder from the menu to enter Recorder window.

● Start Recording ▶ Play Record ■ Stop Recording

Note:
When stop recording, press Finish button to save the recorded sound into a folder by navigating to Playlist > My Record.

Settings

In the main interface, click Settings icon to enter the settings list.
Wi-Fi

Wi-Fi：Enable/disable Wi-Fi connection
Wi-Fi Settings: Click " ☰ " icon at the upper right corner of the screen to enter Advanced Wi-Fi Settings.

Use of Network Traffic
View use of traffic via the mobile network.

More...
Set network mode and 3G mode.

Sound
Volume: Set the volumes for notification, media and alarm clock.
Ring Tone and Notification: Set the default ring tone for notification.
Touch Prompt: Check it to enable prompt tone for touch screen.
Sound Output Channel: Set sound output channels - earphone, and FM.
Save Sound Channel: When check it, the last set sound channel will be enabled automatically upon startup.
FM Output Frequency Point: When FM output is enabled, output frequency point can be selected.

Display
Brightness: Adjust screen brightness.
Font Size: Set size of font to display.
Screen Adaption: Adjust screen display size for part of games.
Wallpaper: Adjust wallpaper.

Storage
View total system memory and available memory space.

Settings

Applications
Display and manage all installed applications.

Account and Synch
Synchronize all set account information.

Location-Based Service
Identify your approximate location via network.

Language and Input Methods
Set language, region and input methods.

Backup and Reset
Back up and recover all settings and data in this device.

Date and Time
Set the date, time, time zone and time display format for this device.

Auxiliary Functions
Set system font, touch delay and other features.

Developer Option
Make developer-specific settings.

About Tablet PC
View the software version and other information about this device.

Settings

Operations for Reset of Factory Settings
In case that this device is infected with any virus or is down due to installation of any third-party software, you can reset it to the factory settings by following the steps:
Navigate to Settings " ⟶ " Backup and Reset " ⟶ " Reset Factory Settings, and confirm it to reset the device to its default factory settings.

Firmware Update

Update system firmware by following the steps:

1. Download the update package from Wholesale's web site with extension name ".ZIP" and copy it to the boot directory in a TF card, and then connect the card to the port at the right side of the device.

2. When the system detects the TF card, select Settings from the menu and click Backup and Reset > Recovery Mode, to pop up the windows as shown below:
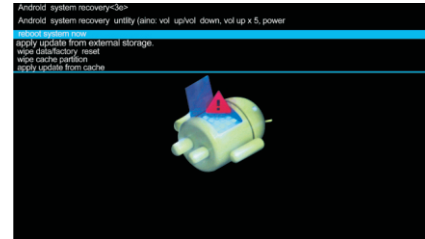

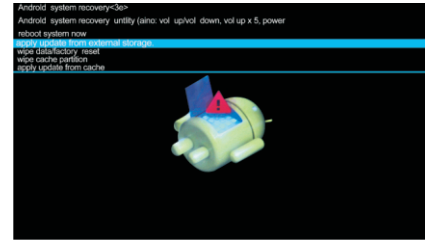3. Click OK to display the window as shown below:

Firmware Update

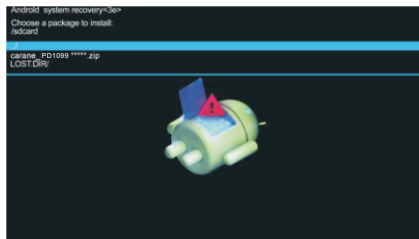4. Upon restart, the system will enter the interface as shown below:

5. Press the Volume Down (which means Move Down upon system update) at the left side of the device to move the cursor in the figure above down to "Apply update from external storage" to display a window as shown below:

Firmware Update

6. Short press the Power button (which represents OK upon system update) at the left side of the device to display a window as shown below:

7. Press Volume Down button at the left side of the device to move the cursor as shown in the figure to "Crane_PD1099 *****.ZIP" (the update package) to display a window as shown below:
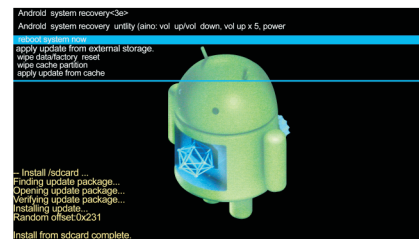

Firmware Update

8. Short press the Power button at the right side of the device to display an update window as shown below (note: keep the power available throughout the course of update):

9. Upon completion of update, a window will be displayed as below, where a word "Install from SD card complete" is displayed at the bottom left corner of the screen, which means the upgrade has finished, and now unplug the TF card and short press the Power button to restart the system. To view the vision after update, refer to the section "Settings".

FAQ on Android

Q: What's an APK file? What's the relationship between the APK file and Android PMP?
A: APK is the abbreviation of "Android Package". The APK file can be directly transferred to the PMP player in Android system for installation.

Q: How to obtain an APK application program?
A: Search for and download any application software in APK format by using the Android Mall program provided in this device.

Q: Why can't some downloaded APK programs be run normally?
A: Some APK programs downloaded from the web are developed by users and may have not tested for compatibility, and part of them may have special requirements for Android system version, so some of them may not be compatible with this device and cannot be run normally, which is not due to any quality defect of this device.

Q: How to uninstall an APK program?
A: Select Settings > Application from the menu, and select the program and then uninstall it.

Q: Why can't some downloaded videos be played normally?
A: The provided player can be compatible with most of video files downloaded from the Internet, but due to much difference in video format, encoding, resolution, bitrate etc., some of them may not be played normally. It is advised to use proper third-party converter software to convert the video to a format supported in this device for normal playback.

Q: How to do with system crash?
A: In case that the system fails to respond during operation, long press Power button for about 7 seconds to shut it down forcibly, and then long press the same button for about 2 seconds to restart it, and the system may resume.

Display Manual Instruction

Major Functions and Parameters

1. 10.1-inch (1280 x RGB x 800) HD digital LCD.

2. One-way CVBS signal input.

3. One VGA signal input (connect to PD1099 for VGA output).

4. Free adjustment of screen brightness, contrast and color.

5. Day Mode and Night Mode are available for screen brightness option.

6. Automatically shut down backlight in case that no signal is input.

7. Power supply of DC(12V±10%) with active current ≤0.8A.

Buttons & Interfaces

1. Power/Menu Button   2. V Button/ Analog Up   3. Mode Button/ Analog Down

Basic Operations

Power/Menu Button

Short press it to power the device on, long press it to power the device off. When any video signal is input, short press it to access analog quantity setting in the menu.

V Button/ Analog Up

Short press it to switch repeatedly between AV and VGA signal sources, and when analog menu appears, press this button to increase analog quantity.

Mode Button/ Analog Down

Short press it to adjust backlight brightness, and when the analog menu appears, press this button to reduce analog quantity.