ANDROID MULTIMEDIA MONITOR

USER MANUAL

T6562BT
T6563DAB



DAB+
Digital Audio Broadcasting

MACROM

Contents

Safety Precautions

Thank you for purchasing this product. Please read through these operating instructions so you will know how to operate your model properly. After you've finished reading the instructions, keep this manual in a safe place for future reference.

Only connect the unit to a 12-volt power supply with negative grounding.
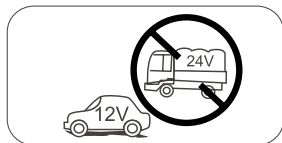
Never install this unit where the operation & condition for safe driving is impaired.
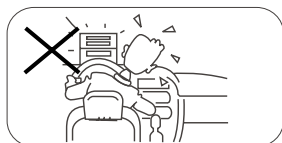
Never use the video display function in the front when driving to prevent the violation of laws & regulations and also to reduce the risk of traffic accident except for using rear view video camera.

Never expose this unit, amplifier, and speakers to moisture or water to prevent electric sparks or fire.
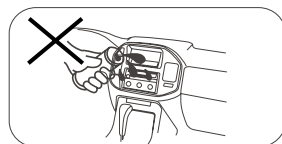
Please don't change the fuse on the power cord without professional guidance, using improper fuse may cause damage to this unit or even cause fire.
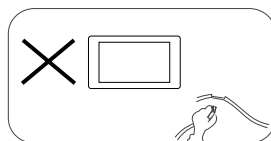
Please contact your nearest dealer if one of the following symptoms is experienced:
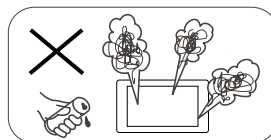
(a). Water or other objects enters the unit.
(b). There is smoke.
(c). Peculiar smell.

To ensure safe driving, please adjust the volume to a safe and comfortable level in case of emergency situations.

Safety Precautions

1. Never disassemble or adjust the unit without any professional guidance.
   For details, please consult any professional car shop / dealer for inquiry.
2. If the front panel or TFT monitor is dirty, please use a clean silicone cloth and neutral detergent to wipe off the spot. Using a rough cloth and non-neutral detergent such as alcohol for cleaning may result in scratching or decoloration to the monitor.
3. If any abnormal behavior of the unit is found, please refer to trouble shooting guide of this manual. If no relevant information is found, please press the [RESET] key on the front panel to resume factory default.
4. If you have parked the car in hot or cold weather for a long time, please wait until the temperature in the car becomes normal before operating the unit.
5. Using the car heater in low temperature environment may result in moisture inside the unit, DO NOT use the unit in this situation. Eject the disc and wipe off the moisture on the disc. If the unit still doesn't work after a few hours, please contact the service center.
6. Do not impact the LCD monitor which could cause damage.
7. To prevent damage to the screen, avoid touching it with sharp objects.
8. To provide a clear demonstration and an alternative for easy understanding to the operation of this unit, graphic illustrations are used.
   However, some illustrations are different from the actual images displayed on the screen.
9. Operate the unit correctly according to this manual to prevent unnecessary problem. The guarantee won't be valid if the problem is caused by inappropriate operation.

Warning

Detect parking brake

- In order to be able to install the android application, the handbrake connection must be connected. Engage the parking brake for APP installation.
- Connect the cable "BRAKE" to the parking brake switch to view video files on the TFT monitor. Engage the parking brake for viewing videos.
- When the parking brake is not engaged, the monitor displays "Warning!!!, Video playback is disabled for your safety. Engage parking brake to watch video.", preventing the driver to watch content while driving. The rear screens are not interested in this inhibition.

Importante note:
This connection is indispensable for the proper operation.

Brake light

Battery

To connect to
the Parking cable
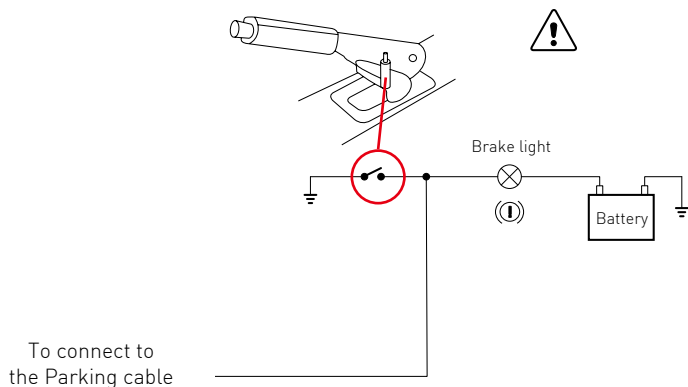
Product overview

Through the home page you can access the functions of the multimedia unit.

Power On / Off the unit
When the unit is connected to the vehicle ignition system, press the front panel to turn on the unit. To turn off the unit, remove the car ignition key.

1. **Time**
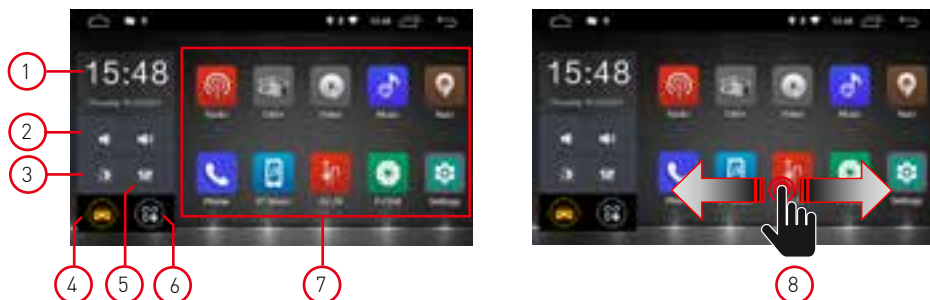   Press the icon to access the time settings.
   For settings, see the System, Date & Time paragraph on page 29.

2. **Volume**
   Press the volume icon to adjust the audio level of the multimedia system.

3. **Screen mode**
   Press the icon to activate the screen off mode.

4. **User interface**
   Allows the icon to access the user system applications.

6. **Applications**
   Press the icon to access all the applications of the device.

7. **Home screen**
   Press the icon to access all the applications of the device.

8. **Cursor**
   Swipe left or right to switch between pages.

Playback mode and position memory
When you restart the car, the system resumes the previous mode before switching off.
For the radio, it will resume the radio channel before switching off.
For music or video, it will resume playing the last song or video before switching off.

Setting

1. Touch setting icon [⚙] on the front panel to enter Settings interface. Select the corresponding option to enter the corresponding settings option. Move the options bar up and down to find the desired settings.

Option bar

Note; some settings require activation via the On-OFF selector.
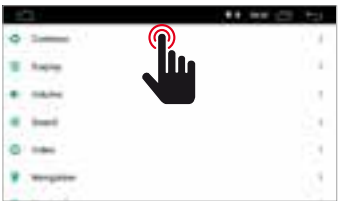
Rete e Internet

WI-FI
Select On to achieve the Wi-Fi, then select the desired access points and insert the password.

Hostspot
Select On to achieve the Wi-Fi hotspot, then select the desired Network name and insert the password.

Car Infotainment (Common)

Standby Time
This function allows to delay the switching off of the device through the selected time.

Car Infotainment (Common)

Assistive Touch
User can choose to on or off the touch assist. The touch assist has 7 most commonly used options and is dispalyed on top of the screen at the interface where it provides the user easy maneuver of the unit.

Reverse Volume Suppression
In order to adjust the volume while you drive in reverse mode, select one of four settings between None, Weak, Medium and Strong.
The volume will be reduced according the selection.

Boot logo
To select the welcome logo it is necessary to entre the password (5678).
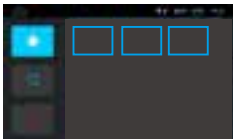
After selected the desiderd logo press (OK) to confirm the logo update.

Reset All Setting
In order to restore all factory setting, press the OK button on popup dialogue. All your settings will be removed.

System Restore
By selecting the System restore, all application installed by the user will be removed and the system will restore to the factory settings.

Car Infotainment (Common)

Daytime Backligth Set
Adjusts the brightness of the screen in day mode.

Nighttime Backligth Set
Adjust the brightness of the screen in night mode.

Auto Mode
When the vehicle lights are switched on, it is possible to select automatically the brightness mode of the screen according to the above settings.

Key Ligth Color
Allows you to select the color of illuminations keys.

Car Infotainment (Volume)
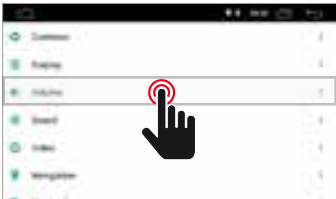
Volume
The volume level can be changed according to the selected source.

Car Infotainment (Sound)
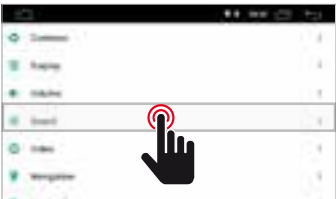
Sound
The sound can be modified through the graphic equalizer and at the moment it is possible to modify the prostrate point by using the four arrows.

Car Infotainment (Video)
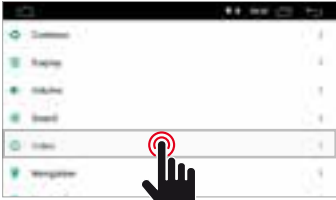
Disable Video in Motion
Video playback is disabled for your safety. Engage parking brake to watch video or select the switch in ON position.

Reversing Warning Line
By enabling this option, while driving at reverse position the assistent line will be shown at the display.

Front Cam
Enabling this option, after having disengaged the reverse gear, it will be possible to view the front camera for a time between 3, 5 or 8 seconds.

Car Infotainmen (Navigation)
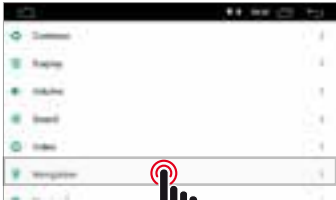
Autostart Navigation
Allows the user to set the automatic start of the navigation system when the unit is turned on:

File Path
Allows the user to customize the navigation system according to the installed applications.

Navi Mixed
Allows the user to mix the audio of the navigation system with the audio of the media sources being played.

Car Infotainment (Bluetooth)

Auto Connect

By enabling this function, the unit will auto search and auto connect with the last connected device.

Auto Answer

By enabling this function, the unit will auto answer all incoming calls.

Car Infotainmen (SWC)

Steering Wheel Control Programming

Please follow the steps below to set the functions of your steering wheel.
1. Press CLEAR ALL before proceeding
2. Press a button on the steering wheel
3. Touch the corresponding feature of the control button on the touch screen.
4. When the control button turns blue, it means that the setup was successful.
5. Repeat the steps 2 - 4 to compleate all controll button setting avgailable on your steering wheel.

Car Infotainmen (About Device)

Version Information
System information.

System

Touch the System icon to set the language of the user interface and to set the date & time.
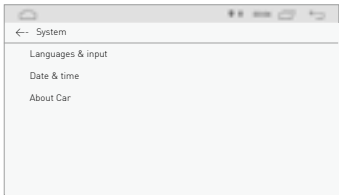
Languages & input
Allows the user to set the system language.
By "Add a language" it is possible to add the different language from the default.

Scroll the list of available language, select the desired language and press to conferm.

To define the system language, drag the desired language to position 1

Data & time
Allows the user to set the Datye & time.

Follow the different options provided by the system to obtain the time and date displayed on the product.

About car
Information on the product is shown

Radio

Touch the radio icon on the main interface to enter radio mode. You may also touch the radio icon at the application page.

1. **Stereo /Mono**
   Allows you to select the reception mode between Stereo or Mono.
2. **TA**
   Allows you to select the mode for receiving traffic information.
3. **TP**
   Indicator relating to the station with traffic information.
4. **Band search**
   Press Band to select FM1, FM2, FM3 and for AM1, AM2
5. **Previous preset**
   Press to select the previous station preset.
6. **Manual search**
   Enter the frequency of the desired station, for example 100.00Mhz and press OK to confirm.
7. **Next preset**
   Press to select the next station preset.
8. **PTY**
   Scroll the bars down to select the type of radio broadcast desired.
9. **Audio setting**
   Use the icon ⚙ to adjust the system sound.
10. **Radio tuning**
    Auto:
    Press the [◄◄] / [►►] button on the user interface to tune to a previous or next station.
    Note: When a station is received, the search stops and the station is played.
    Manual:
    Touch the [◄◄] / [►►] button on the user interface more than 1 second to change the frequency.
11. **AF**
    Automatic search for the alternative frequency corresponding to the station currently playing audio.
12. **DX**
    Local / distant selector
13. **Preset**
    Presets of the stored stations (P1 - P6)

DAB

Tap the DAB icon to access DAB services.

Note: Only available for T6563DAB model

For T6562BT model, the M-AN.DAB module is required

DAB radio overview

Overview

1. DAB service
2. Information
3. Broadcaster logo
   *(this service may not be
   provided by the tuned broadcaster)*
4. Previous station
   Swipe left or right to view all received stations.
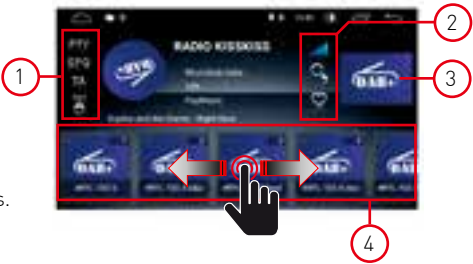
Settings

1. PTY
   Touch TPY icon to show PTY type list.
2. EPG
   Electronics Programme Guide
3. TA
   Traffic Announcement
4. Service Link
   Selected in the On position, if the DAB frequency
   is not present it will be automatically sourcing the
   alternative DAB frequency.

5. DAB signal
   The DAB signal indicator displays the received signal level in real time.

Excellent level	
Discrete level	
Good level	
Low level	
Absent level	

6. Auto scan
   Only stations with sufficient signal strength will be detected and stored in the memory.
   Touch [🔍] to search all service available and store stations automatically.

7. Favorite stations
   By ticking with ▦ it is possible to identify the broadcaster to be included in the list of favorites.

Video

Touch the music video icon at the main interface. It supports flash internal storage card, music and video stored in USB drive, ape, flac and other formats.
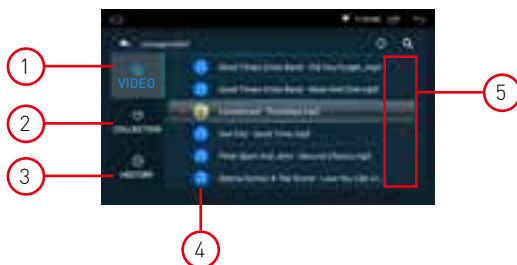
1. Video folder
The video folder contains all the folders containing the videos.

2. Collection
The collection contains your favorite videos file
In the video list you can select videos that will be directly visible in the list of the collection.

3. History
The list shows the video previously played on

4. Video files
Press the desired video to start playback

5. Favorite
Highlight the icon █ to allocate the video in the favorites collection list.

6. Screen video format
Best fit - Fit horizontal - Fit vertical - Full screen - 16:9 - 4:3 - Center.

7. Repeat file
Press to repeat single or folder playback.

8. Previous video
Press to return to the previous video.

9. Play & Pause
Press to start playback or to Pause the video.

10. Next video
Press to go to the next video.

11. Collection favorite
Press to select the favorite videos in the collection list.

12. Back to video home
Press to go back to the home page.

Music

Touch the music icon at the main interface. It supports flash internal storage card, music and audio stored in USB drive. The unit supports MP3 cover display.
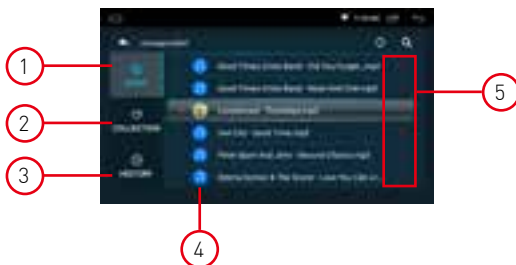
1. Audio folder
   The audio folder contains all the folders containing the audios.

2. Collection
   The collection contains your favorite audios file.
   In the audio list you can select audios that will be directly visible in the list of the collection.

3. History
   The list shows the audios previously played on

4. Audio files
   Press the desired audio to start playback

5. Favorite
   Highlight the icon ▣ to allocate the audio in the favorites collection list.
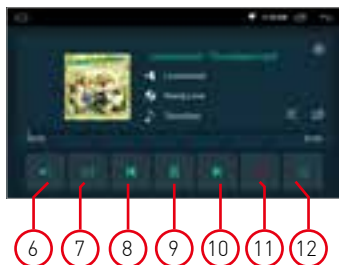
6. Volume
   Press to adjust the volume.

7. Equalizer
   Press to adjust the sound of system .

8. Previous audio
   Press to return to the previous audio track.

9. Play & Pause
   Press to start playback or to Pause the video.

10. Next audio
   Press to go to the next audio track.

11. Collection favorite
    Press to select the favorite audios in the collection list.

12. Back to audio home
    Press to go back to the home page.

Bluetooth

Bluetooth's hands-free function enables you to call safely while driving. Touch the Bluetooth icon to enter in the bluetooth setting.
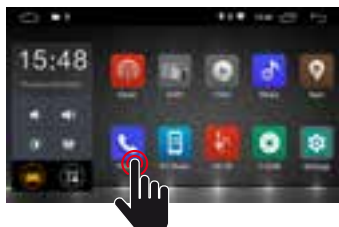
1. Pairing
   - To activate the bluetooth hands-free function, pair your mobile phone with the unit.
   - Turn on bluetooth and bluetooth device search function on your mobile phone.
   - Search for the name T6562BT or T6563DAB of the unit.
   - You are required to key in the corresponding PIN number i.e. 0000 on your mobile phone to connect to the unit.
   - Once connected, a "CONNECTED" sign will appear on the screen.

2. Keyboard
Upon establishing the bluetooth connection, user can dial directly on the phone or key in telephone numbers on the dial pad.

   - Touch (A) to delete the incorrect number dialed.
   - When you dialed telephone number, press (B) to call or (C) to hang off.
   - During conversation, user can touch (D) on the screen to switch between private mode and loud speaker.

3. Phonebook
   The contacts can be download from mobile phone to the unit.

4. Call history
Call history shows outgoing call, incoming call and missed call. User can perform call or delete in call history.

5. Connection
If the mobile phone has already been paired with the unit, press [icon] to re-connect the device.

6. Disconnection
Press [icon] unplug the device.

7. Phonebook synchronization
The contacts can be download from mobile phone to the unit.

   - Once bluetooth is connected, touch [icon] to download the contacts.
   - Once download is completed, name of the contact will be shown on the display screen during phone call. Press (A) to view the contact list.
   - Forquick access to the contacts, use the name search begins with first alphabet (B).

Bluetooth

1. **Call history**
   Call history shows outgoing call, incoming call and missed call. User can perform call or delete in call history.
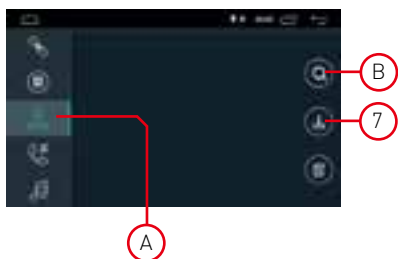
2. **Bluetooth Muisc**
   This unit supports bluetooth music playing.
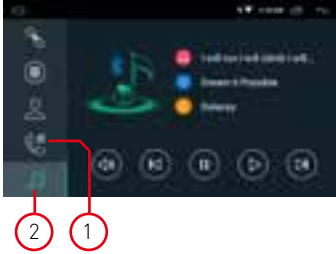
User can play music on the mobile phone and transfer it to the loud speaker of the car via bluetooth. It also supports simplified controls such as "Previous", "Next", "Pause" and "Play".

NOTE: Due to bluetooth compatibility, the unit may not support all features or all phone models.

Navigation

GPS Satellite Navigation Operation
The invention of GPS navigation has brought to the convenience of travelling today. By using the GPS positioning and electronic navigation map, user can reach the destination faster and more efficiently. To navigate accurately, both the GPS positioning and navigation map are equally important. The GPS provides precise positioning and fast calculating speed while the navigation map provides huge information, data and route planning.

Navigation Map Data
The data of some navigation applications can be stored externally in SD card or USB drive.

Note:
Some navigation application defaulted its route planning on the map and may not support storage in external SD Card and USB Drive.

Installation of APK Navigation Application
Before navigation, please install APK Navigation Application and ensure the APK navigation map is correctly installed.

Navigation Activation
Upon successful installation of APK Navigation Application, there will be a corresponding icon on the homepage. Touch the icon to launch the application.

User can also go to "Car Infotainment" → "Navigation"→"File Path " to link the navigation button and application. Upon linkage, user may press the "Navigation Button" to start the navigation directly.

Navigation Application Operation
Please refer to the corresponding operation manual for details in navigation application.

Dual screen

Dual screen function

Some applications are supported by the dual screen function. It is therefore possible to divide the screen in half and display two applications simultaneously.

Screen 1   Screen 2
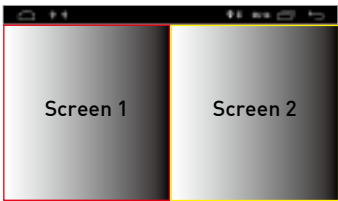
Press ▤ to view the open applications and then select the desired applications to be displayed on the screen simultaneously.
Note: some applications may not be supported by screen sharing.

Connection

Connection view

USB   MIC   Only available in T6563DAB device

GPS   DAB
WIFI
RADIO

1   11
11   20

RCA CONNECTION

RCA Video Out 2
RCA Audio L. Out   AUX Video In
* Camera Front
RCA Audio R. Out   SUB Audio Out
RCA Video Out 1
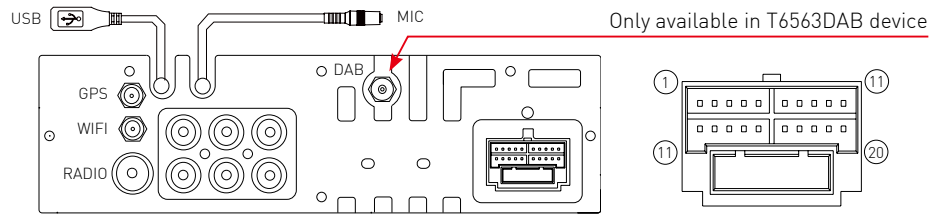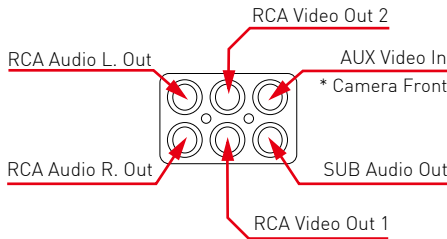
POWER CABLE CONNECTION	
1. Front Left +	11. Rear Left +
2. Front Left -	12. Rear Left -
3. Front Right +	13. Rear Right +
4. Front Right -	14. Rear Right -
5. Brake (Parking)	15. Battery + (Yellow)
6. Illumination	16. GND (Black)
7. NC	17. ACC power (Red)
8. SWC KEY 1	18. Antenna Power
9. Reverse	19. SWC KEY2
10. Cam Video IN	20. NC

*   The Aux In input can, if necessary, become an input for the front video Camera.
To activate the Front Camera, press the icon on the device's home page, or through the Car Infotainment, Video, Front Cam menu, you can determine the viewing time after removing the reverse gear.
For more information, consult the manual on page 7.

Specifications

General
  Reference Supply Voltage ....12V ⎓
  Operating Voltage Range .... 9 - 16V ⎓
  Max Operating Current...15A
  Grounding System Car Battery Negative Pole
FM
  Signal Noise Ratio ....≥55dB
  Residual Noise Sensitivity (S/N=30dB) .... ≤10dBμV
  Frequency Response (±3dB) .... 40Hz~12KHz
  Station Seeking Level.. 23±3dBμV
  Distortion .... ≤1.0%
  Stereo Separation (1KHz).. ≥25dB
  Antenna Impedance... 75Ω
  Frequency range...87,5 /108,0MHz
AM
  Residual Noise Sensitivity (S/N=20dB) .... ≤28dBμV
  Selectivity (±9KHz .... ≥50dB
  Frequency range...522/1620KHz
DAB
  Residual Noise Sensitivity (RF=72dBM)... 60dB
  Stereo Separation (1KHz).. ≥55dB
  Frequency range... 174 /240MHz
BT
  Frequency .... 2,402 - 2,480GHz
Power output
  Frequency Response (±3dB .... 50Hz~16KHz
  Maximum Output Power .... 4×45W
  Load Impedance 4Ω
AUX IN
  Distortion .... ≤0.5%
  Frequency Response (±3dB .... 50Hz~20KHz
  Audio Input Level 0.5Vrms
Audio
  Audio Output Impedance.. 100Ω
  Audio Output Level .... 2Vrms(Max)
Video
  Normal Video Input Level (CVBS .... 1.0±0.2V
  Video Input Impedance... 75Ω
USB media player
  Music format: .... MP3, MA, WMA, AAC, RM, FLAC
  Video format:... MPEG-1/2/4, H264, H263, VC1 V RV, RMVB, DivX,
  ....Sorenson SparK, Spark, VP8. AVS Stream
  Picture format: ....JPG, BMP, JEPG, GIF, PNG
Environment
  Operating Temperature... -20°C ~ +70°C
  Storing Temperature... -30°C ~ +80°C
  Operating Humidity... 45%~80%RH
  Storing Humidity... 30%~90%RH

Declaration of Conformity

$C \mathbb{E}$

The manufacturer GMA ITALIA s.r.l. declares that the type of radio equipment - Multimedia Monitor, model T6562BT, T6563DAB, brand Macrom - complies with the 2014/53 / EU Directive.

The full text of the EU Declaration of conformity is available at the following internet address: www.macrom.it, or at GMA ITALIA s.r.l. - V. Di Vittorio, 7/33 Rho - 20017 (MI) Italy

Made in China by
GMA ITALIA s.r.l. - Via G. Di Vittorio, 7/33 Rho - 20017 (MI) Italy

Information on disposal of unit

This product bears the selective sorting symbol for waste electrical and electronic equipment (WEEE).
This means that this product must be handled to the local collecting points or given back to retailer when you buy a new product, in a ratio of one to one (or one to zero if the external dimension is less than 25 cm) pursuant to European Directive 2012/19/EC in order to be recycled or dismantled to minimize its impact on the environment.
For further information, please contact your local or regional authorities.
Electronic products not included in the selective sorting process are potentially dangerous for the environment and human health due to the presence of hazardous substances.
The unlawful disposal of the product carries a fine according to the legislation currently in force.

MACROM

w w w . m a c r o m . i t