

**Appendix 6.**

**User manual**

# TIZZBIRD™ N1

## Quick Installation Guide

### Smart TV Stick

Dolby and the double-D symbol are registered trademarks of Dolby Laboratories.



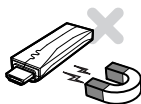
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# 1. Safety Notice



## Disassembly and Label Removal

Do not try to disassemble the unit. It may cause malfunction or fire.



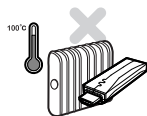
## Magnets

Keep away the unit from magnetized devices. It may erase the data stored in the HDD drive inside.



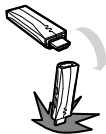
## Humidity

Do not place the unit in places that are exposed to oil, water, dust, humidity, rain or wind.



## High Temperature

Keep away the unit from overheated areas, such as heaters. Place it well ventilated location. Ensure that a free airflow is maintained around the unit.



## Shock

Do not drop or shock the unit from heights. Doing so may cause serious damage to the parts inside.



## Electric Shock

Do not touch the power plug with wet hands or use defective power cables and electric outlets. It may cause electric shocks or fire.



*Unplug the power cable when the device is not used for a long time.*

## 2.Features



Tizzbird N1 is so small that let you install it directly to HDMI port of any TV. The power will be supplied by USB port of TV, so no need to install another power adapter.



Tizzbird playbacks various full HD movie contents including DVD backup formats as well as AVI, MKV, XVID and TS formats on TV. It supports most recent video formats such as H264 and VC-1.



TizzBird provides a full web-browsing capability very similar like PC. Mouse and keyboard can be attached to support various inputs, which enable slick Internet surfing even on the big screen TV.



TizzBird playbacks high resolution photo images on TV. It can slideshow the photos while playing back the music in background. Transition effects such as fade-in-out or zooming can be applied during transition of each photo.



TizzBird playbacks high quality lossless music such as FLAC, WAV up to 24bit/96Khz. It also supports compressed MP3, OGG, AAC and CUE format thru high fidelity Wolfson DAC.



TizzBird runs applications on TV exact same APPs installed on the Android Smartphone without any conversion. This also includes 3D games or 3D APPs that utilize the superb OPEN-GL 3D accelerator. Some APPs that fixed screen-aspect ratio cannot be applicable in some cases.

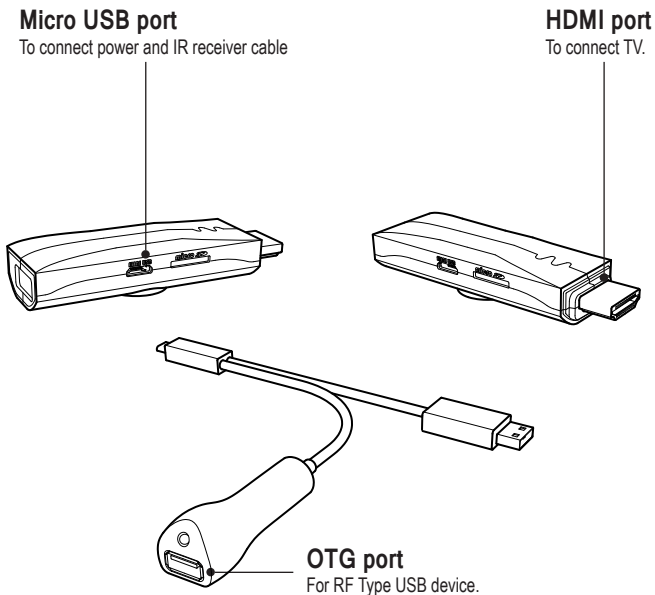


It also supports 802.11n Wi-Fi which enables faster wireless networking ever before. TizzBird supports NFS, SAMBA, uPnP network protocols to connect various servers. It also has multiple mounting drive options and automatic browsing capability which maximize the network connection experience.

## 3. Specifications

Model	TizzBird Stick N1
System	TCC8925 Cortex-A5 800Mhz CPU/ 256KB L2 Cache, 512M RAM (N1M Model), 1GB RAM (N1G Model) / 4GB T-flash
OS	Android Rev 4.0 Ice cream Sandwich
Video	Format: AVI/ MKV/ MPG/ WMV/ VOB/ TP/ TRP/ M2TS/ MOV/ FLV/ IFO/ ISO Codec: MPEG 1/2/4, H264, XVID, WMV9(MP@HL4.1) VC-1(AP@L3) Resolution: Max 1080p 60Hz
Audio	MP3/ OGG/ WAV/ AAC/ FLAC/ APE/ WMA Dolby Digital / DTS Down Mixing and Pass-thru
Image	JPG, JPEG, BMP, PNG, GIF
Connection	USB 2.0 Host Port 1 EA USB 2.0 OTG Port 1EA (by Cable) Wireless Wi-Fi 802.11n (Embedded) Network Protocol : Samba (CIFS)/ NFS/ uPnP
Video Output	HDMI 1.3a
Audio Output	HDMI
File System	NTFS, FAT32
Subtitle	smi, smil, sub, sub/idx, srt, ssa, ass
Power	Use TV USB port as a power supply. Use bundled 5V 1A power adapter when you experience some problem.
Languages	English, French, German, Spanish, Italian, Portuguese, Vietnamese, Swedish, Czech Norwegian, Danish, Japanese, Korean, Traditional Chinese
Dimension	75 x 23 x 15 mm

## 4. Description of Each Part



### Connectors

Please connect the unit to HDMI port of the TV.

Please connect the FLASH DRIVE, MOUSE or KEYBOARD on the USB host port.

Please connect MOUSE or KEYBOARD on the USB OTG port.

\* USB host **DOES NOT PROVIDE enough POWER** to drive 2.5" HDD.

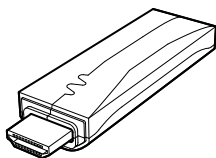
Please use HDD drive with external power supply.

\* USB OTG port only allows connection of MOUSE or KEYBOARD.

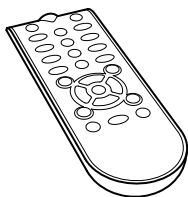
## 5.Package Contents

The TizzBird package contains the following items. The shape of items described below may slightly differ from the actual contents.

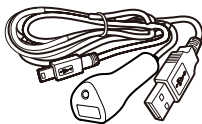
### Components



Main Unit



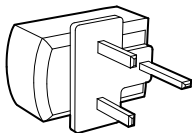
Remote Controller



Y Cable



Quick Guide



Power Adapter

## 6. Installation and Connection

### Connecting to TV

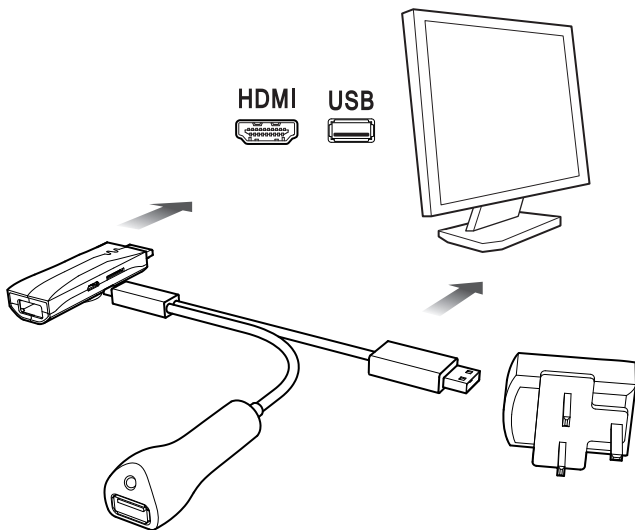
The TizzBird supports HDMI audio and video output for connection to a TV.

### Connection to HDMI Out

Connect the TizzBird N1 HDMI to your TV. HDMI can also transfer the audio signal and no need to connect another cable for audio.

### Power Cable Connection

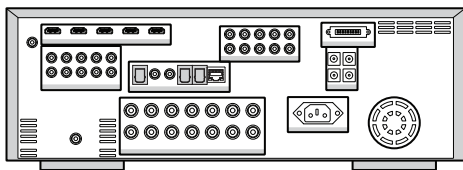
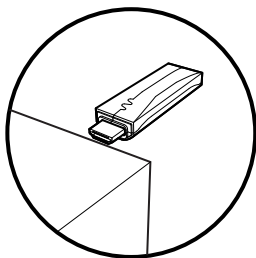
Connect the power cable of TizzBird N1 to the TV USB port like below. If you experience some problem during playback, you may connect supplied power adapter.





## Connecting to AV Receiver

Tizzbird N1 can be connected to HDMI input AV receiver. Please select the appropriate input at the audio receiver using remote controller after connection.



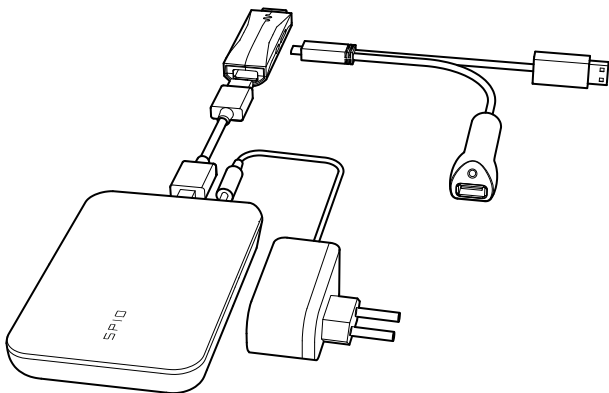
Connect the Tizzbird N1 HDMI to your AV receivers' HDMI input. Then connect the AV receivers' HDMI output to the TV input.

## Connecting USB Device

TizzBird provides two USB 2.0 host ports to connect various external devices, such as FLASH MEMORY drive, external USB HDD enclosure, digital camera/camcorder, keyboard & mouse, or USB video-cam & microphone.

**Caution!!** → To connect any external 2.5" HDD drive, please **DO USE EXTERNAL POWER SUPPLY** of HDD or Y-CABLE for that. The N1 does not guarantee the power to drive the external HDD under any circumstances. The external HDD should be connected to the USB port of device, not USB port on the cable.

**Recommendation** → The USB host port on the cable should be used for mouse, keyboard or flash drive. It's actually USB 2.0 OTG port so may cause compatibility or performance problem on some devices.

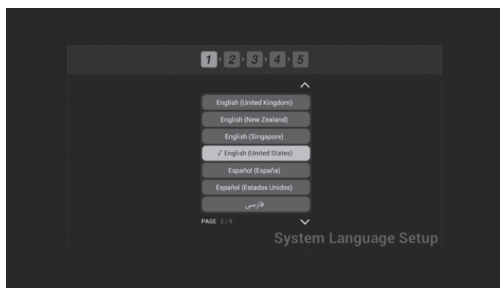


## Initial Setup Wizard

Initial setup consists of 5 steps of WIZARD style sequences. The sequence of WIZARD will be VIDEO LANGUAGE SETUP → OUTPUT SETUP → SCREEN FITTING → NETWORK SETUP → THEME SELECTION.

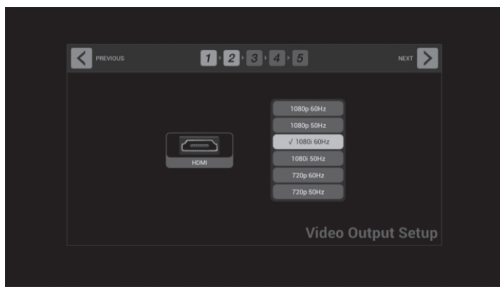
The PREV/ NEXT button on the top side of each screen will bring the PREV/ NEXT step.

### 1) Language Setup

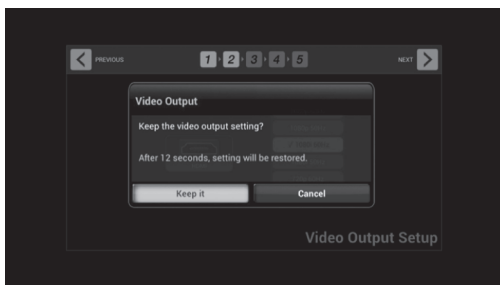


The first step is setup the menu language. The setup wizard will enumerate all the languages available at this moment. Please select one of the menu languages for your use.

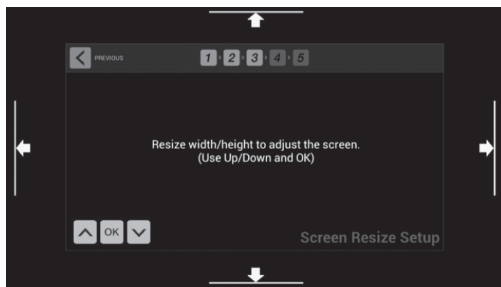
## 2) Video Output Setup



The video resolution selection screen will appear as above. Please select the appropriate video output for the display. If you select, the pop-up will ask you keep resolution change or not. If the pop-up screen will appear, please select "Keep It".

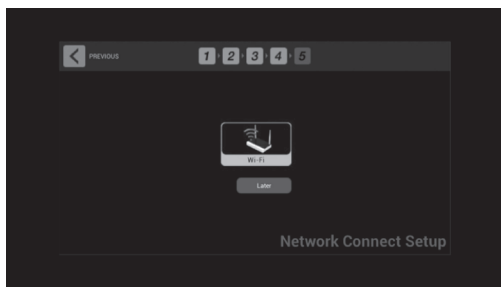


### 3) Screen Fitting Setup

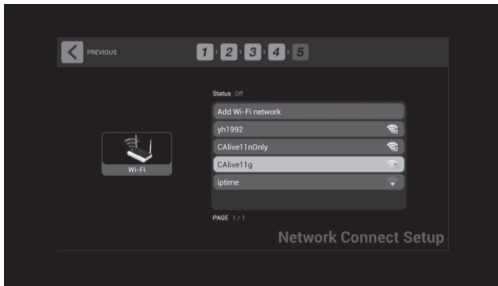


The 3rd step is fitting the screen size according to user's TV. Clicking UP/DOWN button at left-bottom side will increase/ decrease the screen size accordingly. Press OK when done.

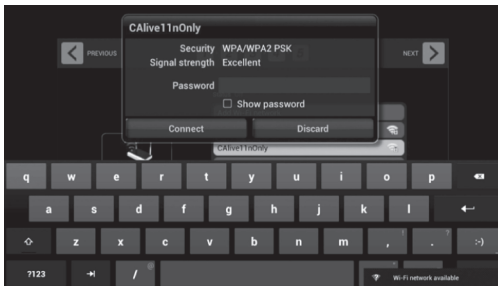
### 4) Network Setup



The 4th step is setting up network. Wi-Fi can be configured here. If Wi-Fi button were pressed, the following screen will enumerate all available Wi-Fi AP. Select one of them and click it.

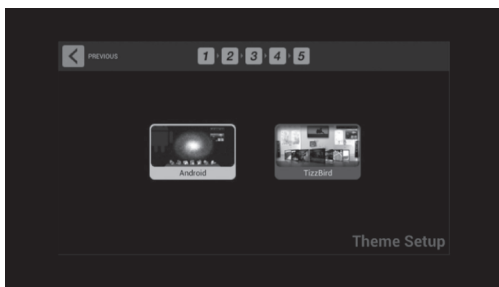


The next page screen will pop up to configure the Wi-Fi.



Typing the password will finalize the Wi-Fi setup and Internet connection will be made.

## 5) Theme Setup



The final step is setting up theme. Tizzbird N1 provides two type of theme, one is the Android theme, the other is TizzBird classic theme. If you are familiar with smart phone user interface, please choose "Android". If you are more familiar with multimedia player, then choose TizzBird theme. The theme can be selected freely at settings later.

This appliance and its antenna must not be co-located or operation in conjunction with any other antenna or transmitter. A minimum separation distance of 20 cm must be maintained between the antenna and the person for this appliance to satisfy the RF exposure requirements.

**THIS DEVICE COMPLIES WITH PART 15 OF THE FCC RULES. OPERATION IS SUBJECT TO THE FOLLOWING TWO CONDITIONS: (1) THIS DEVICE MAY NOT CAUSE HARMFUL INTERFERENCE, AND (2) THIS DEVICE MUST ACCEPT ANY INTERFERENCE RECEIVED, INCLUDING INTERFERENCE THAT MAY CAUSE UNDESIRABLE OPERATION.**

**NOTE: THE GRANTEE IS NOT RESPONSIBLE FOR ANY CHANGES OR MODIFICATIONS NOT EXPRESSLY APPROVED BY THE PARTY RESPONSIBLE FOR COMPLIANCE. SUCH MODIFICATIONS COULD VOID THE USER'S AUTHORITY TO OPERATE THE EQUIPMENT.**

## 7.Using Remote Controller

The TizzBird package contains the following items. The shape of items described below may slightly different from the actual contents.

