

# TVMax+

## Hardware Guide



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# Introduction and Overview of TVMax+

## Introduction

Thank you for choosing TVMax+™ from Miglia Technology. TVMax+™ allows you to watch and record TV and video on your Mac. You can record to MPEG-4 in real-time, thus delivering immediate compatibility with Apple's iPod Video and Apple TV.

### System requirements:

- Mac with built-in USB 2.0 connectivity
- G4/1.25 GHz or higher processor
- 512 MB of RAM
- Mac OS X 10.4.x
- QuickTime 7

### Package contents

- TVMax+™
- Infrared Remote Control
- CD-ROM with MigliaTV software and installation guide
- Power Supply
- USB 2.0 Cable (A/B)
- Warranty card

### User Guide Overview

This User Guide will guide you through the TVMax+ installation as well as explain as certain hardware specific functions. The full MigliaTV user guide for the software functions is available on the CD-ROM that ships with TVMax+ or via download from the Miglia website.

### Technical Support

Should you ever have any questions regarding your product, please do not hesitate to contact Miglia. The best way to contact technical support, is to fill out a 'Technical Support Case Form'. Please go to <http://www.miglia.com/Support> and click on the TVMax+ link.

## Overview of TVMax+™

### Video inputs

TVMax+™ features several video inputs:

- TV input
- Composite input
- S-Video input
- RCA Stereo audio input



- **TV/Antenna connection:** This is the TV Tuner connection. Connect a cable from your TV antenna or cable wall outlet. An adapter for 'threaded' connections is provided in the package.
- **Composite input:** Composite is a widely used standard for connecting video equipment. This type of connector is often found on camcorders and VCRs.
- **S-Video input:** This connection gives a better image quality than composite and is generally found on mid-range camcorders, VCRs and DVD players. If you intend to capture video from an analogue source, use this connection whenever you can.
- **Stereo audio IN:** TVMax+™ card uses conventional RCA plugs
- **Power:** Connector for the power supply included in the package.
- **USB 2.0:** For the connection to your Mac

# Hardware and Software Installation

## I. Hardware Installation

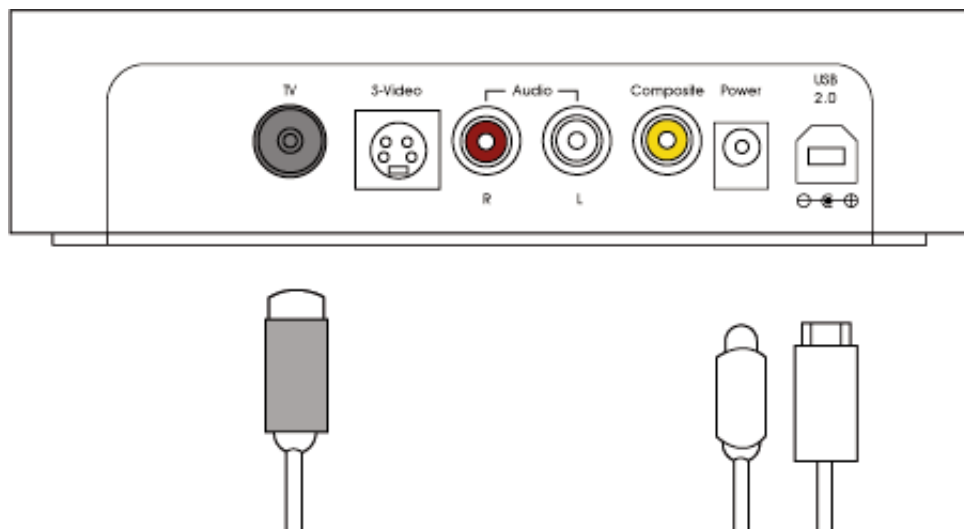
1. Connect the power supply to the "Power" socket located at the back of TVMax+. Verify the green LED on the front panel of the unit is lit.
2. Connect the USB 2.0 cable provided from a USB 2.0 port of your computer to TVMax+. Note: We strongly recommend using the USB 2.0 cable provided with TVMax+. Do not use low quality cables or very long cables as this will affect the performance of the unit.

## II. Connecting your video source

### 1. Coaxial connection

If you receive TV channels via a roof-mounted antenna, an analogue cable service or a portable antenna, you will most likely want to use the TV input on TVMax+.

Connect your coaxial cable as shown on the illustration below

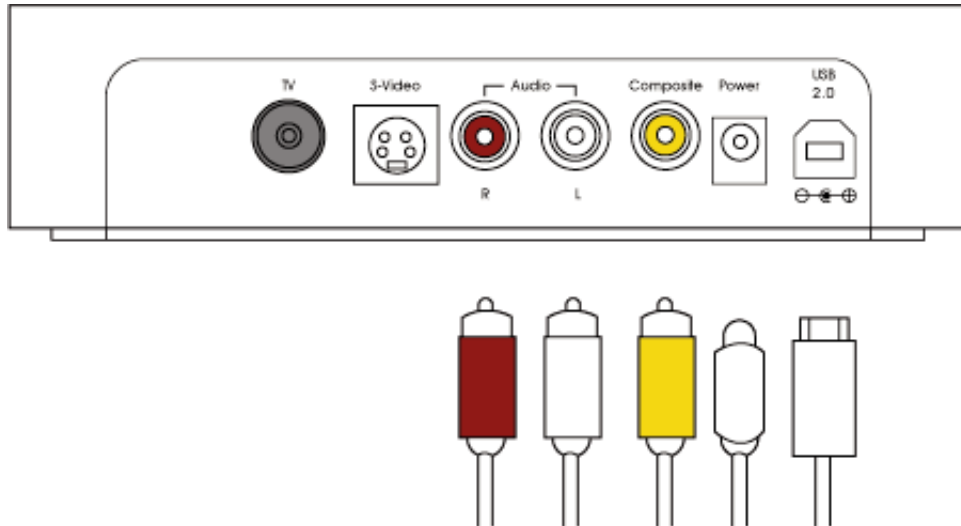


## 2. Composite Connection

Digital TV subscribers (Terrestrial, Cable, Satellite) will interface their digital receiver set top box with TVMax+. You can either make a connection via S-Video or Composite.

If you wish to capture video footage from a Camcorder, VCR or DVD-Player, a connection with Composite or S-Video is recommended.

The diagram below shows a connection via Composite.

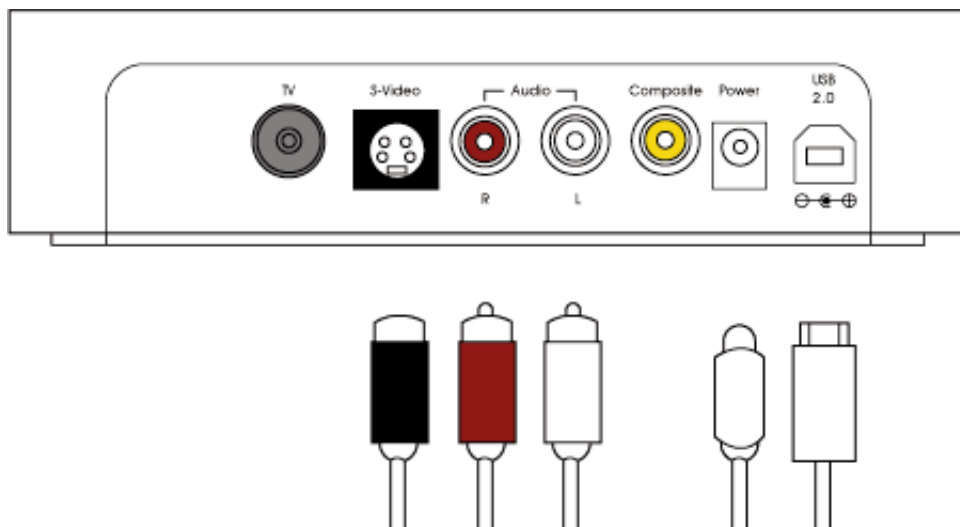


## 3. S-Video Connection

For digital TV subscribers and users wishing to capture video from an analogue source, an S-Video connection is strongly recommended as it will usually give you a higher picture quality compared to Composite.

Note that S-Video do not carry audio signals, but only video signals. Using the left/right audio connectors and cables is necessary.

The diagram below shows a connection via S-Video



## I. Installing MigliaTV

1. Insert the Installation CD that shipped with your TV product into your CD/DVD drive.
2. Before installing the version available on the CD, check for any available updates on the Miglia site. Double-click on the icon named 'Check for software updates now!' to access the website page.
3. Double-click on the "Install MigliaTV" icon to launch the installer. Select the startup drive of your choice and click on 'Install'. Note that you will be asked for your administrator password when performing the installation.

*Note: The administrator password is your Mac OS X password that you selected when you first ran Mac OS X. It is not the software activation key.*



4. Once the installation process is finished, quit the installer
5. The MigliaTV folder will be located in the 'Applications' folder of the volume containing your system software.

# Compression Settings for TVMax +

## Compression Settings

TVMax+ features a hardware compression chip that transforms analog video into MPEG-2, MPEG-4 or DivX. The **Video Compression** settings are available in Preferences > Video Input > Compression and will adjust the video codec and quality settings for the video you will record to your hard drive.



Full Size:	Records a file in MPEG-4. The Video Size is 720x576 (PAL) and 720x480 (NTSC).
iPod Good:	This option will generate a 320x240 MPEG-4 file directly readable by an iPod Video.
iPod Best:	This option will generate a 640x480 MPEG-4 file directly readable by an iPod Video.
iMovie HD:	This option will generate a MPEG-4 file directly readable by iMovie HD. No lengthy conversion will be required when opening the file in iMovie HD. The size for the iMovie HD option is 640x480.
Apple TV:	This option will generate a 640x480 MPEG-4 file directly readable by an iPod Video.
Sony PSP Good:	This option will generate a 320x240 MPEG-4 file directly readable by a Sony PSP. No lengthy conversion will be required to make the movie PSP Compatible.
DVD Full Size:	This format enables you to record in full size MPEG-2, the most common format for DVD players. The Video Size is 720x576 (PAL) and 720x480 (NTSC)
DVD Half-Size:	This format enables you to record in half-size MPEG-2. The video quality will obviously be lower than with full size MPEG-2
Apple TV:	This option will generate a 640x480 MPEG-4 file directly readable by an iPod Video.

DivX Home Theater: DivX is similar to MPEG-4 and delivers great picture quality combined with small file sizes. The video size is 720x576 (PAL) or 720x480 (NTSC)

DivX Portable: TVMax+ lets you create video files compatible with the DivX Portable profile (352x288).

# Remote control keys

## Remote Control Key assignment

- 1: Open/Close TV window
- 2: Mute Sound
- 3 - 11, 13: Numeral keys. Enters a channel number directly
- 12: Switch to last channel watched
- 14: Reserved
- 15: Reserved
- 16: Channel UP
- 17: Reserved
- 18: Volume down
- 19: Reserved
- 20: Volume UP
- 21: Reserved
- 22: Channel down
- 23: Reserved
- 24: Rewind live TV
- 25: Pause/Resume live TV
- 26: Skip forward live TV
- 27: Go back to beginning of TV buffer
- 28: Go to live feed
- 29: Go to end of TV buffer
- 30: Reserved
- 31: Reserved
- 32: Record
- 33: Toggle full screen/window mode
- 34: Change video input

A reserved key will not have any effect when pressed. This type of key will be enabled in future releases of the software as the featureset grows.



## Warranty Agreement

### Hardware Products:

HDMI Ltd warrants your hardware product against any defect in material and workmanship, under normal use, for the designated warranty period. The warranty becomes effective from the date of purchase by the end user.

If the product is found to be defective within the warranty period, HDMI Ltd will, at its sole option, repair or replace the defective product.

HDMI Ltd will not, under any circumstances, be liable for direct, special or consequential damages such as, but not limited to, damage or loss of property or equipment, loss of profits or revenues, cost of replacement goods, or expense or inconvenience caused by service interruptions.

This warranty is void if:

- The product was operated or stored in abnormal use or maintenance conditions.
- The product was repaired, modified or altered or undergone attempted repair by non-authorized personnel, unless HDMI Ltd has authorized such repair, modification or alteration.
- The product was damaged, abused or misused
- The product was installed without following the supplied installation instructions.
- The serial number of the product is defaced, modified or missing.
- The "Warranty Void" seal on the casing has been modified, removed or broken.

The decision of HDMI Ltd shall be final and binding with regards to the condition of product return and eligibility of repair or replacement.

### Software Products:

Software Products are covered specifically for defective media or manuals only, for a 14 day period. The software license you acquired cannot under any circumstance be transferred back to HDMI Ltd. HDMI Ltd does not warrant or represent that all third-party software or hardware will function error-free when used in conjunction with its products.

### How to obtain warranty service:

To obtain warranty service, within 30 days of the date of purchase, please contact the retailer from whom you made your purchase. To obtain warranty service, after 30 days of the date of purchase contact Miglia's Technical Support Service. A proof of purchase will be required to confirm that the product is still under warranty. Should Miglia's Technical Support diagnose a fault on your product, a Return to Manufacturer Authorisation (RMA) number will be issued to you.

All products returned to HDMI Ltd must be securely packaged in their original box and shipped at the customer's cost inclusive of any requested documentation. Return shipment of repaired or replaced product will be covered by HDMI Ltd.

Any product returned without an RMA number issued by Miglia's Technical Support Service will be refused.