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## Introduction

We would like to congratulate you on purchasing MT4155 TV TUNER CARD FM. With our device you can comfortably watch and record tv shows and listen to FM radio. Thanks to timeshift feature you don't have to worry anymore that you miss any fragment of your favorite tv show and schedule recording will save the movie when you are out. TV on your monitor – simple and convenient solution. Dear user, please take a few minutes to read this manual before installing device.

## Features:

- internal TV tuner card
- FM radio
- resolution: 352x288, 640x576, 720x576 ppi
- supported TV systems: PAL D/K, SECAM D/K, PAL B/G
- schedule recording and timeshift feature
- AV and S-Video input for connecting VCR, DVD, camera, etc.
- IR remote controller
- saving still image snapshots to bitmap file
- PCI interface
- Windows 2000 SP4/ XP SP2 /Vista 32bit compatible
- Size 121x101x18mm

## Specification:

- standard socket for radio antenna
- standard RF socket (for TV antenna or cable)
- standard AV input (composite)
- standard S-Video input
- stereo audio input (mini-jack)
- stereo audio output (mini-jack)
- IR receiver input

## System requirements:

- OS: Windows 2000 SP4/ XP SP2 /Vista 32bit
- processor: Pentium 4 1,4 GHz or higher
- RAM: 256MB lub or more
- graphic card SVGA
- sound card
- 500MB of free hard disk space or more
- CD-ROM drive
- free PCI slot
- compliant with DirectX 9.0c or higher

## Package contents:

- PCI tuner card
- remote controller
- user's manual
- audio cable (mini-jack -> mini-jack)

- IR receiver
- FM radio antenna
- software CD (drivers and application)

## **Device Installation Steps:**

# Note! Read installation steps before connecting the device.

 Put software CD into drive, if application does not start automatically, run "SETUPTV.EXE" file, then TV BOX installation window should appear.



Select "Install DirectX 9.0c" to install required DirectX components (you can skip this step in Windows Vista). Follow on-screen commands. When appropriate DirectX drivers will be installed you can eject CD from drive and go to the next step.

d. Put computer case cover back

- (blue socket)
- OUT" (blue socket) to "LINE-IN" of sound card

i. With short audio cable connect tuner "AUDIO

- ii. Plug in IR receiver to "R/M" socket. Put receiver sensor in place where there are no obstacles for remote controller signals (near monitor for instance).
- iii. Plug in radio antenna (included) to "FM" socket. Stretch both ends of antenna to make it look like a shape of "Y" letter.
- iv. Plug in TV antenna or cable to "TV" socket.



- b. Remove unused socket cover corresponding to free PCI slot on the motherboard
- c. Carefully insert card into PCI slot and tighten it with screw

nused sockets

i, carefully put

card into PCI slot

PCI slot

ISA slot

- 2. Turn off computer and disconnect power supply cable from computer case.

ii. tighten screw

to fix card in slot

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- a. Remove one of the side cover.

e. Make connections according to the diagram below:

AV In

- f. Connect power supply cable and turn on computer.
- After startup system will find new device and "Found New Hardware Wizard" dialog box will appear. Put CD into drive, if application does not start automatically, run "SETUPTV.EXE" file, tuner installation window will appear as below.



4. Select "Install Device Driver", and then message box will appear.



In some versions of Windows a massage box can appear, showing that installed driver has no Windows logo. Click "Continue anyway" and system will go on with installation.



If driver installation is finished a message box will ap-



pear,

and "Found New Hardware Wizard" window will be automatically closed.

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- 5. From tuner installation window select "Install Remote Control" and then click "Install"



 The last step is installation of honestech TVR, from tuner installation window select, Install Application". When following window will appear click "Next"



On next screen mark option, I accept the terms of the license agreement" and click "Next"



#### Choose installation path of program and click "Next"



#### Click "Next" to confirm program folder



Click "Finish" to end installation of honestech TVR. You can also close tuner installation window, press ALT+F4.

 When you run application for the first time you have to enter Product Key. You can find it in text file "SN. TXT" on software CD or on the envelope of CD. Double click honestech icon on the desktop to run application.



When following window appear enter product key and click "OK"  $% \mathcal{O}$ 

	Pleas	e enter vour	Product-Key		
		o onior you	r rouser rusy.		
Product Key :	-	-		-	-
	This product h	as been dev	eloped by ho	nestech.	
	-	_		- 1	

After honestech TVR software is started, view window and application control panel are as below:





Note ! When you run TVR for the first time error messages can appear: "Could not initialize capture device" and "Could not use internal streaming audio". It is a normal auto-configuration process, close application and run it again. Error messages should not appear anymore.

Application control panel is operated as follows:



## How to use honestech TVR

### Switching AV source

Click on the following to make your choice:



CABLE or TV antenna AV composite input S-Video input FM radio

#### Selecting channel

Click the arrow up or down to select channel (must be previously tuned up)

#### **Utility icons**



## Property settings

This icon opens dialog window where you can set all settings to watch, seek and record TV programs.

#### TV setting tab

operty Settings				ļ
TV Setting Video Set	ing Record Se	tting Bo	: Dialog	
Category	• TV		O CAT	v
Country C Auto Detect				Country Code : 48
<ul> <li>Select your of</li> </ul>	country :	Polar	nd	
Operation method	Du Order Num		ส	
Operation metrica	Using favor	te channe	is Reset 1	
	9 Order	CH	Channel Names	
Auto Scan	<b>D</b> 1	11	Channel 11	
	2	27	Channel 27	
Minimum : 1	<b>₩</b> 3	33	Channel 33	
Maximum - CE	☑ 4	35	Channel 35	
maximain .] 00	5	41	Channel 41	
CH : Enter	6	51	Channel 51	
	<b>D</b> 7	58	Channel 58	
<- Del				
	Change the o	channel or	der: Up Down	Move
			C	IK Anuluj

Category	Setting TV signal from Antenna (TV) or Cable (CATV)
Country	Auto detect: automatically choose country of reception Select your country: manually select country of reception
Operation method	Order of stored channels: <b>By Channel Number</b> or <b>By Order Number</b> . For in- stance (look at picture above), to select channel 27 enter "27" on remote con- troller if you have chosen option "By Channel Number" or enter "2" on remote controller if you have chosen option "By Order Number".
Using favorite channels	Mark your favorite channels first, then you can switch between them using button "up" and "down"
Reset and Fine Tune Slider	Adjust slider to fine tune single channel, press reset to cancel changes
Auto Scan	Run scanning for channels. When channel is found you can: store it, if you click "Yes"; eject it, if you click "No"; store all found channels if you click "Yes to all" or cancel scanning by clicking "Cancel".
Add/Delete Channels	Manual adding channel: enter its number in "CH:" field and then click <b>"Enter"</b> , and then click <b>"Add"</b> . Manual deleting channel: enter its number in "CH:" field and then click <b>"Enter"</b> , and then click <b>"Del"</b> .
Change the channel order	You can sort list of stored channels by clicking <b>"Up"</b> and <b>"Down"</b> respectively.

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#### Video setting tab

Property Settings	×
TV Setting Video Setting Record S	etting Etc Dialog
Fine Adjustment	Video Standard : PAL_B
Default	Video capture device
Brightness	DEM 7130AC WDM Video Capture
• <u> </u>	Video source
Contrast	Using the internal audio streaming function
Hue	Playback Device : Realtek HD Audio out
▲ <u>▶ 49</u>	Playback : CD Volume
Saturation	Recording : CD Volume
▲ ▶ 50	Audio input
	OK Cancel

#### Fine Adjustment

Setting Brightness, Contrast, Hue and Saturation. Press "Default" to restore default settings.

#### Video capture device

Select "OEM 7130AC" as your video capturing device.

#### Mixer device

"Playback device" – select main system device for playback.

"Recording device" – select sound card "Line-in" (this input should be connected to tuner audio output). Do not make changes to "Playback" and "Recording" field (settings are ignored)

#### Video source

SAA7133 AudioOptions tab: leave it without changes

	roc Amp   Video Decoder
Preview (Analog Out)	- Capture (Streaming)
🔽 Enable	C Same as Preview
Format	C Direct Audio Special
F prefer LangC / SAP	C áll anguages
	C Daby Pro Login Mode 1
C Mono C Lang A	C D'BBATTE BABIE MORE
C Lang B	
Effact	
C Off	
C Incredible	Standard Error
C Vitual Dolby	Format Error
	Preview ·
Controis	Capture

#### Video Proc Amp tab: video adjustment

<u>Video decoder tab:</u> select video standard. To save changes click "apply", then "OK" and then restart application. Don't change other options on this tab.

Properties	×
SAA7133 Audio Options Vi	ideo Proc Amp Video Decoder
Brightness	[127 [T]
Contrast	<b>67</b>
Hue	4 L
Saturation	<u>63</u> 🗖
Sharpness	
Gamma	
White Balance	
Backlight Comp	
ColorEnable 🗖	Default Auto
	DK Cancel And/v
Properties	x
SAA7133 Audio Options   Vi	ideo Proc Amp Video Decoder
Video Stan	idard: PAL_B
Signal Detect	ied: 1

ropercies	_
SAA7133 Audio Options Video Proc Amp Video Decoder	
Video Standard: PAL_B	
Signal Detected: 1	
Lines detected: 625	
CR Input	
Gutput Enable	
OK Cancel Apply	

#### **Record setting tab**

rione	C VCD-NTSC	C VCD-PAI
C MPEG-1	C SVCD-NTSC	O SVCD-PAL
MPEG-2	O DVD-NTSC	O DVD-PAL
Size : 32	x 240 FrameRate	25.00
Quality : Hig	h 💌 Bitrate	2000 + 1001 MB/ł
Encoding speed : Go	od 💌 Minimum CPU : Ir	ntel P3 600 Mhz
Information : Fra CB	EG-2 e : (320 x 240) me Rate : 25.00 FPS R : 2000000 bps	
Working Directory		
	ata\banastach TI/P\	Prowego

#### <u>Profile</u>

Select different recording format. Select MPEG1 or MPEG2 to manually set parameters (some knowledge of video compression is needed) or select other profiles with pre-definite parameters.

#### <u>Working Directory</u> Set saving path for recorded video

### Etc Dialog tab

roperty Settings				×
TV Setting Video	Setting Record Set	ting Etc Dialog		
Channel Surfing -				
Su	infing Time : 🚺 💌 Se	c Number of	Surfing Windows	3x3 💌
-Auto Scan Mode				
🗌 Use defa	ult auto-scan method			
TimeShift Recordi	ng eShift recording, Don1	save the temp file		
Driver	Total Size	Avaliable Size	File System	
C:\	39997 MB	27547 MB	NTFS	
D:\	363 TU MB	34469 MB	NIFS	
G:\	32600 MB	17272 MB	FAT32	
			ОК	Anuluj

Channel Surfing: Settings of TV programs preview

#### Auto Scan Mode

Mark this option to enable auto scan for channels during channel surfing

#### **TimeShift Recording**

Mark this option to use HDD space in timeshift mode

### Disk Driver Info

Information about capacity of available HDD



ing.

### Schedule recording

Click this icon to open dialog box of schedule record-



Add – set a new schedule for recording Edit – rename a recorded video file Delete – delete selected video file **Delete All** – delete all video files from the list OK - confirm all setting and exit Cancel - cancel all setting and exit



### **Channel Scan**

Click this icon to run Auto Scan function.



## Skin

Click this icon to change control panel skin color.



### Snapshot

Snapshots and recorded video are listed in container below control panel. Container opens automatically when recording is stopped or snapshot is taken.





### **Channel surfing**

Click this icon to open channel surfing window, channel previewing is done according to parameters set in "Property Setting". Click "exit" to close channel surfing.



Function disabled for this model



### Audio Mode

Click this icon to switch between mode: mono, stereo and main.

## **Using FM radio**

Click "FM-Radio" source on application control panel or press "FM" button on remote controller. Yoy can scan for radio stations by clicking "channel up/down" or you can enter frequency directly. For instance, to seek for station 107.5 MHz press in order: 1 - 0 - 7

- 5 and wait a moment till tuner will tune up (look at the picture below).You can record and playback broadcast as well as other AV sources.







REC - start/stop recording

Timeshift – activate/deactivate timeshifting mode Play – playback recorded video Pause – pause playing recorded video

- **Stop** stop playing recorded video
- Backward rewind
- Forward fast forward

## Quick Menu

Right click on view window area to pop-up the quick menu:

- Close the menu
- Screen: Full, Normal, Minimize
- Select resolution: 352x288, 640x576, 720x576
- Aspect ratio: 4:3, 16:9
- Channel Up
- Channel Down

- Auto Scan
- Channel Surfing
- Property Setting
- Schedule Recording
- Mute
- Always on top
- Show control panel
- Exit



## **Remote Controller**



Off:	open/close honestech TVR application
Power:	close application and shutdown system
Recall:	back to last viewed channel
VOL+:	volume up
VOL-:	volume down
CH+:	channel up
CH-:	channel down
Mute:	enable/disable mute
0~9:	select channel number
Full scr	een: activate/deactivate full screen mode
Rec:	start/stop recording
Timesh	ift: activate/deactivate timeshift mode
Snapsh	ot: save video frame to bitmap file
Stop:	stop playing recorded video
TV:	select TV source
FM:	select FM radio source

## **EN Troubleshooting**

# Q: Unable to run honestech TVR, only message "Could not initialize capture device" appear.

A: This message can occur only during first run of TVR (application is finishing auto-configuration). If error message appears every time you run application it means that other capture devices (which were installed before TV tuner) are causing conflict. Uninstall TV tuner and all devices such internet camera, scanner, graphic card with "video-in" feature. Restart system and proceed steps 4-6 of device installation. Check operating of honestech TVR application, if error does not exist you can install other video capture devices.

#### Q: Video quality is very low.

**A:** Poor TV antenna signal may cause the problem, check how it works with normal TV set. If antenna signal is good, check operating when you input signal from DVD or digital camera. If captured video is not good, check your system configuration. Check if you have installed latest driver for graphic card.

#### Q: No sound

A: Check connections first. Short audio cable should provide connection between TV tuner AUDIO OUT and sound card LINE IN. Next, go to "Video setting" and check "Mixer device" setting. Next, go to "Windows Control Panel/Sound configuration" and check if line-in input is not mute.

#### Q: Problems with recording. Poor video/audio quality.

A: Decrease image size or decrease quality of recorded video file. Better quality of captured video requires more system power.

#### Q: After installing honestech software there is "honestech Product Agent" icon in system tray.

**A:** This plug-in automatically checks for honestech software updates. It shouldn't be removed.

For more information, drivers, instruction manuals, please visit our website: **www.media-tech.eu** 

#### Manufacturer is restricting right to modernize and making changes of this device.

In accordance with continuous development of hardware and software some functions demonstrated on pictures might be presented differently in the future.