| PRODUCT INFORMATION |                     |                                     |             |  |
|---------------------|---------------------|-------------------------------------|-------------|--|
| Product:            | [                   | The set includes as follows:        |             |  |
|                     |                     | IPTV Set-Top-Box                    | -1 pc.      |  |
| Serial Number:      |                     | External Power<br>Supply Unit, 12 V | -1 pc.      |  |
|                     |                     | IR Remote Control                   | -1 pc.      |  |
| MAC:                |                     | AAA batteries                       | -2 pc.      |  |
|                     |                     | Instruction manual                  | -1 pc.      |  |
|                     | <u> </u>            | Package box                         | -1 pc.      |  |
|                     | Q.C. representative |                                     |             |  |
|                     | QC representative   | Optionally the set may follows:     | / include a |  |
|                     | i i                 | 3,5 mm Jack to 3 RCA cable          | -1 pc.      |  |
| i                   | 1                   | LAN network cable                   | -1 pc.      |  |
| 1                   |                     | HDMI to HDMI cable                  | -1 pc.      |  |
| 1                   | i                   |                                     |             |  |
|                     |                     |                                     |             |  |

# HIGH DEFINITION IPTV SET-TOP-BOX INSTRUCTION MANUAL

**MAG** 254 IPTV SetTopBox

HDMI®

**SPECIFICATIONS** 

**Physical Parameters** 

190gr.

127 mm width

30 mm height

5% ~ 93% RH

Model MAG254 / MAG255

Dimensions (approximately): 87 mm depth,

Operation temperature:

**MAG** 255 IPTV SetTopBox

DOLBY.



WARRANTY SERVICE COUPON

**Dear customer!** Thank you for purchasing this product and we hope you like it.

### Your warranty

By virtue of the present Coupon the absence of defects in manufacturing of the product and its compounds is warranted for a year-term counted since date of purchase.

If during the mentioned warranty term the defects of materials or operation of product will be found, the product would be repaired or its defective parts would be replaced free of charge in the service center according to the following conditions.

### Conditions

Date of Purchase: Company-Seller: Address of Company-Seller:

- The present warranty is only valid if the defective product is provided with properly filled in Warranty Service Coupon. If date of purchase is not pointed, the warranty term is counted since date of the product manufacturing which is defined under serial number. Service center reserves the right to refuse free warranty service and parts replacement
- in case the mentioned above documents are not presented or the filled in it information is not complete or unreadable.
- 2. The present warranty does not enable the right for compensation and cover of loss received as a result of rearrangement of the product.
- 3. The present guarantee is invalid if model or serial number of the product is altered, erased, removed or unreadable.
- erased, removed or unreadable.

  4. The present warranty does not cover the following:

  4.1. any adaptations and alterations with the aim of perfection and widening of the common scope of the product application specified in the Manual.

  4.2. devices not specified in the coupon.
- 4.3. damage caused in result of:
- a) improper maintenance including but not limited by following:
  (1) use of the product not according to its intended purpose or Manual,

Warranty Service Coupon (to be filled in by a shop-assistant)

MANUFACTURER: "Telecommunication Technologies" Ltd, 1-A Tamozhennaya Square Odessa 65026 Ukraine

(2) mounting and maintenance of the product in conditions not corresponding to safety standards and regulations valid in the country of use

- (3) incorrect software installation (provides by service operator)
- enters or dealers:

b) repair performed by not authorized service

centers or dealers;

c) accidents, lightning stroke, flood, fire, incorrect ventilation;

d) transporting excluding cases when it is carried out by ASC.

f) faults of system in which the present product had been using.

The present warranty does not encroach on legitimate rights of the customer enabled to him by the existing legislation and rights of the customer related to the dealer which may appear from the purchase-sale agreement had been concluded by them.

### **Ethernet Interface** Ethernet Connector: RJ-45 shielded UTP and STP 5 categories Auto-choice 10/100 Mbit/sec Cable

. 33°F - 104°F (1°C -40°C)

(without condensate)

Speed: Green - Connection Indicators:

### **USB** Interface USB 2.0

Type: Quantity:

### Supported Audio-Video Formats

MPEG-4p10/H.264 MPEG-4 p2 MPEG-2 Video Decoder

VC-1 (optional) Audio Decoder: MPEG-1 layers I & II, MPEG-1/2 layers III (mp3),

Dolby Digital (AC-3)

## Supported video modes

Fu**ll**HD - 1080(p,i) HD - 720p 576p PAL - 576i NTSC - 480

## Audio-Video Interfaces

Audio connectors: TRRS, (On adapter cable: White=Left channel, Red=Right channel)
Output: 2 V RMS nominal Loading: 10 KΩ

Video Interface Composite

TRRS (Yellow connector on adapter cable) 1Vp-p Output:

## Power Supply Interface

DC cylindrical 2.1mm x 5.5mm plug-and-socket, Туре

DC current, center plus Input: 12V ± 10% Less than 10 W in typical conditions

### Outer Power Supply Unit

Type: Input: Pulse with universal inlet 110~240 V AC, 50~60 Hz,0.5 A max Output: 12 V DC, 1 A

### Package

cardboard box Dimensions (approx.): 57 mm height,

220 mm width, 157 mm depth

Shipping Weight: 580 gr.

## **USAGE INSTRUCTION**

### Thanks you for choosing our "IPTV Set-Top-Box"

Follow the instructions of the present Manual to immerse yourself in the world of digital television.

Please read carefully the present manual before using the product. Please keep the present manual at hand for referring to it in your further actions. Your services provider should supply you the separate manual containing the information, how to access to the

services that are provided by service provider of the digital television.

### Safe Using Warning, Attention

I have no claims as to appearance and package contents. I accept the conditions of warranty service

ion to footnotes with symbols that warn ingerous situations, such as



Such symbol points to the dangerous actions which may cause injure the user.



Points the situations described in the present instruction which may cause danger to the arrangement or to other equipment.



Pictograms: Warning and Attention are included into present

User's Manual to ensure your safety and the product proper main-tenance. Please follow the very instructions.

Enclosures
Use the accessories supplied with your arrangement or recommended by the manufacturer only.
Using of the accessories which are not supplied or not sanctioned by the manufacturer may be dangerous for the User or do harm to the arrangement operation.
Using of the not appropriate accessories eliminates guarantees of the product therewith.

## **Water and Moisture**

To avoid damage which can cause ignition of the present product or lesion to the User with electrical current, the product and its accessories should not be undergone with any liquids, rain or high moisture. Don't use the present product in the places where it may be

exposed to the contact with a liquid or vapour

## Maintenance of Product

Service
The product should not be disassembled.

The product should not be disassembled. The tries of the disassembling of the product may be dangerous for your life and for serviceability of the product. The selfsupporting disassembling invalidates you the product guarantee.

The maitenance should be effected by qualified specialists in service centers only. The product possesses protective sealings.

The product possesses protective sealings. Breaking or changing of the mentioned sealings invalidates guarantee of the product.

## Cleaning

The product and accessories should be rubbed with dry cloth or tissue only. To ensure safety, before shell cleaning switch

the power supply off the alternative curren The shell may be cleaned from persistent spots with a slightly wet cloth or cleaning tissue.

abrasive items, liquid or aerosol detergent means for the product and accessories

## **SERVICE CENTERS**

## Service Centers List:

Europe, Africa, Asia:

56 Kaiserstrasse, Frankfurt Germany, 60329 e-mail: warranty@infomir.eu

USA:

2626 East 14th Street, Suite 101 Brooklyn, NY 11235 USA Тел.: +1 (631) 482-6636 e-mail: sales@infomirusa.com

Russia:

Moscow, Zorge Str., 9a, build.2, Russia, 125252 Tel: 8 915 055 89 61 e-mail: warranty@infomir.com

## Ukraine and other regions

that are not mentioned above:

4-D, Marshal Zhukov Avenue, Odessa, Ukraine, 65121 Tel: +38-(048)-740-67-40 -mail: warranty@infomir.eu

## Additional Information:

Additional and extended information you can see by reference: http://www.infomir.eu/

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After expiration of validity hereof, you should return all the Software, documents and access to the services supplier.

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Miscellaneous
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This document is intended for acquaintance with and training only. The Company reserves the right for changing specifications and other information contained herein, without prior notice.

## Warranty

Warranty for your product is supplied via your services' provider. In the event your product requires maintenance service, you should contact the services' supplier directly.

# Trademarks

Инфомир, Infomir are the trademarks of Infomir ltd.

HDMI is the trademark of HDMI Licensing, LLC Secure Media is the trademark of Secure Media Natick, MA. Verimatrix is the trademark of Verimatrix. Inc.

Verimatrix is the trademark of Verimatrix, Inc.
The product includes the copyright protection
technology, protected by American patents and
other intellectual property rights.
The use of the protection technology should be
authorized by the Macrovision Company and use
for domestic use or use in the system paid-seen,

unless otherwise allowed by the Macrovision

Company. Redesigning and disassembling is

## Approvals

The following paragraphs specify requirant in differential formation based on the Federal Communication Committee Rules

The device has been tested and proved corresponding to the Class B digital hardware parameters, according to Part 15 of the Federal Communication Committee Rules. The Rules ha been developed to reduce the harmful affect to living environment. The equipment generates, uses and may emit radio-frequency energy, if is not installed neither used in accordance with the manual that causes radio interference. However, in specific installation, no guarantee exists the radio interference fail to appear. To correct the interference, the following should be given a try:

• To increase distance between the equipment and receiver.

To connect the equipment in other

To take reference from dealer or skilled teleradio technician.

The dealer.

The device corresponds to Federal
Communication Committee Rules, Part 15, and is
governed by the following two conditions:

he device should not cause harmful affec The device should accept any interference in,

including the one able to cause unwanted Company name: Telecommunication Technologies Ltd operation

### 1a, Tamozhennaya Sq., Odessa 65026, Ukraine Safety The Product: MAG254 Micro / MAG255 Micro IPTV Set-Top Box

Power supply: DC 12 V. 1A. Class III

Standards: IEC 60065:2001 CAN/CSA-C22.2 No. 60065-03 UL 6500 EEC 72/23/EEC и 89/336/EEC.

Directive WEEE (2002/96/EC)

The Product is in accordance with the Directive WEEE.

### ABOUT YOUR MAG254 / MAG255

### About your MAG254 / MAG255

Thank you for purchasing our product MAG254/MAG255, which makes it possible to access to TV and movies through your digital and the product of the product

You can control all functions of MAG254/MAG255 by using remote control for navigating on screen menu provided by your service

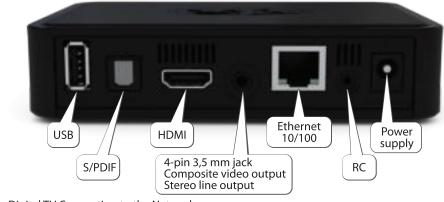
### **Getting Started**

Please become acquainted in the next chapter to information how to unpack and turn on power supply of your MAG254/MAG255. In case your product has been already adjusted by your provider see 'Using of Remote Control to Control the Device' for information how to use the product.



### BACK PANEL MAG254 / MAG255

### Connecting on the Back Panel



### Digital TV Connecting to the Network

MAG254 / MAG255  $\,$  receives TV channels and movies from  $\,$  the "digital TV" network.

Your services provider had been already installed the connection with the mentioned network. · Connect cable for "digital TV" network into "digital TV"/Ethernet port on your product.

### UNPACKING AND INSTALLATION THE PRODUCT

After the product extraction out of the package it is necessary to handle it with care, do not drop, shake it and afford other influence.

The product is designed for horizontal allocation onto flat surface.

Do not place the product onto slippery surface, in place where it may be exposed to vibration or hazard to drop and other possible risks to the product to be damaged which may cause invalidation the product guarantee.

Do not dispose the product onto soft surface like on the carpet, bed, etc., for such surfaces cease access to the ventilation openings and complicate air flow that may cause to the product overheating and to invalidate . guarantee in result.

Do not locate the product into the furniture in case of vacant clearance around the product is not provided for the sufficient oduct ventilation.

Do not place the product in place where it may be exposed to influence of direct sunlight, next to the sources of open fire and convectors.

convectors.

Do not dispose the product on surfaces which in operating process may get warm, for

video record player or intensifier and do not put anything on the top of the shell as well. Do not cover the product with anything. Containing liquids objects, such as vase, plant pot are not to be placed next to or on the

Do not touch or move the product during its operation. Switch off the product if you need operation to shift it.

The product is intended for use indoors. The power supply cord is to be put to prevenits deformation and jamming and touching it

MAG254 / MAG255 is delivered with the following accessories

with other objects as well. The power supply cord is not to be laid under the carpets or blocked with anything where any damage may not be noticed.

### Power supply unit

The product should be used with powe supply unit provided by the manufacturer

only.

The power supply unit is fitted out with plug which is intended for connecting to socket in your country usage. In case of the necessity in the product connecting in other country or in the region with other data of electric circuit the power supply unit adopted for use in the specified area should be received from the manufacturer.

Operation
The outer power supply unit of the product is getting warm in operation. In case of outer power supply unit gets hot, switch off promptly and get in touch with the equipment supplier for its replacement.

### Protection from atmospheric electricity or not using for a long time.

On coming the thunderstorm and also in case of the product is intended to be in no use for a long time, disconnect the power supply cord out of socket, switch off Ethernet, video and audio cables.

and audio cables. It is to protect the product from thunder discharges and power surges in the circuit.. Usage with Plasma Displays In the product usage for watching with plasma screens do not pause the picture more than 5 minutes, otherwise it may cause 'burn-out' pixels on the screen. It is not considered as a defect of the product but peculiarity of plasma screens structure. The producer does not bear the responsibility for damages had been caused in such manner.

The product and accessories are packed into recycled package and plastic bags. Please keep all the packing materials for the further transportation.

### The Arrangement Designation

The product is intended to select digital audio & video channels from transport streams, decode and display them on TV. Any other use is prohibited Any other use is prohibited. It means Telecommunication Technologies insists on the product usage in entirely accordant to the law of copyright. The compliance with the specified laws leaves on conscience of the user. The unauthorized copying of the protected materials or spreading of the specified copies under definite conditions may violate the law of conviolat and is to be previously adopted by copyright and is to be previously adopted by possessor of the rights for the further mmercial use.

Commercial use.

Updating Software

The product possesses the capability of automatic software updating.

The manufacturer and your services provider reserve the right for automatic software updating to improve the product functional capability.

During the software updating the product should not be used for watching and switched off until the complete software updating.

During the software updating the product switching off is inadmissible. The updating takes several minutes and since then you are able to continue enjoy on all delights of digital television services.

# CONNECTING TO MAG254 / MAG255

The typical product connecting to TV and audio intensifier is shown on the presented diagram:

### CONNECTING TO TV-SET WITH HDMI CONNECTOR - BEST QUALITY



| Connector: | HDMI    |
|------------|---------|
| Cable:     | HDMI    |
| Video:     | SD + HD |
| Audio:     | digital |
|            |         |

### CONNECTING TO TV-SET (AUDIO/VIDEO INPUT) - GOOD QUALITY



Connector: CVBS, L, R Cable: 3,5 mm Jack to 3 RCA Video: only SD Audio: analog Composite video signal. For video/audio connection

ngements (TV, intensifier, etc.) and take power supply out of socket befo any cables disconnecting. In case of the intensifier does not connected leave digital audio outlets of your product not connected.

## Video Connecting

The product allows connecting the following video cables:

- HDMI provides the best quality of picture and allows playing of digital video of high definition (HD).
- Composite (CVBS) enables standard picture quality. Use the connection with the best quality which could be applied with your equipment.
- In case of your TV has HDMI inlet, use HDMI cable for the product connecting to TV through HDMI outlets.
- In case of your TV is capable to operate with connection through component video inlet, use component video cable for the product connecting to TV through



## **Audio Connecting**

The product allows to conduct the following connections:

 Left and right channels for playing stereo sound through (L and R outlets).



Attention! After the product unpacking please wait u until the arrangement warms up to indoor

Audio/Video cable

3,5 mm Jack to 3 RCA

Outer power supply unit, 12 V





AAA-size 2pcs.

4\_ 5\_ 6.

IR remote control

## USING REMOTE CONTROL TO CONTROL THE DEVICE

In case of absence of any of the specified accessories please refer to your services provider

This section explains how to unpack Remote Control (RC) and prepare it for work. Your service provider can supply the product with an alternative RC. In that case please refer to the manual supplied by your service provider.

## Inserting batteries

Remote Control requires two batteries type AAA, R03, LR03, UM-4, 286.

# Inserting batteries into Remote Control. 18

Shift the battery cover located on back side of RC as shown

Insert two batteries type AAA (included in package) taking care

Replace the battery cover as shown in the picture

# Important information about using batteries

Do not mix different types of battery or old and new batteries. Do not use rechargeable batteries with the remote control.

Remove the batteries from the remote control if you are not going to use it for several weeks, to avoid the risk of leakage.

Please respect your environment and any local regulations and dispose of old batteries in a

ely remove any leaking batteries. Sely remove any leaking batteries. Take care when handling leaking batteries as they may ns to the skin or eyes, or other physical injuries.

## Introduction into the Programmable Remote Control Unit

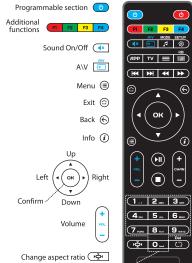
MAG254 / MAG255 package includes a remote control with a special block of five programmable buttons (marked with blue print colour), which you may want to choose for controlling other devices (TV set, amplifier).

# To program the buttons do the following:

Press the «On/Off » and «A/V» buttons at the same time and hold it for 2 seconds When the green light of the «On/Off » button will stop blinking and will light steadily, it means the RC is ready to learn.

- Place the infrared lamps of two RCs opposite each other and press the button on the RC of the other device, the function of which you wish to copy on device RC.
- $\bullet$  After the green light two quick blinks you may continue programming other buttons.
- Repeat the procedure described above for all buttons you want to program for controlling external devices.
- Press the the «On/Off » and «A/V» buttons to save the programmed data; the green light should fade off.

Press SETUP and OK buttons at same time and hold for 2 seconds red LED will flash 5 times. Reset is done



To select a TV channel





Turn the Media

Player On / Off



Switch channels Play / Pause



