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

HIGH DEFINITION **IPTV SET-TOP-BOX** INSTRUCTION MANUAL

MAG254 **MAG**255 IPTV SetTopBox IPTV SetTopBox

DOLBY.

56 Kaiserstrasse, Frankfurt Germany, 60329

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

4-D, Marshal Zhukov Avenue, Odessa, Ukraine, 65121 Tel: +38-(048)-740-67-40

e-mail: warranty@infomir.eu

Brooklyn, NY 11235 USA Тел.: +1 (631) 482-6636 e-mail: sales@infomirusa.com

2626 East 14th Street, Suite 101

-mail: warranty@infomir.eu

SPECIFICATIONS

HOMI®

Physical Parameters Model MAG254 / MAG255 Weight: 190gr. Dimensions (approximately): 87 mm depth, 127 mm width 30 mm height Operation temperature: . 33°F - 104°F (1°C -40°C) 5% ~ 93% RH Humidity: (without condensate) Ethernet Interface Ethernet Connector: RJ-45 shielded UTP and STP 5 categories Auto-choice 10/100 Mbit/sec Cable Speed: Green - Connection Indicators: Yellow - Activity **USB** Interface Type: Quantity: USB 2.0

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), 16-bit PCM Dolby Digital (AC-3)

DCP

Supported video modes FullHD - 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 Type: adapter cable) 1Vp-p Output:

Power Supply Interface DC cylindrical 2.1mm x 5.5mm plug-and-socket, 12V ± 10%

cardboard box Type: Dimensions (approx.): 57 mm height, 220 mm width, 157 mm depth

12 V DC, 1 A

 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 manufac-turing which is defined under serial number. Service center reserves the right to refuse free warranty service and parts replacement a) improper maintenance including but not limited by following:
 (1) use of the product not according to its intended purpose or Manual,

in case the mentioned above documents are not presented or the filled in it information is not complete or unreadable.

received as a result of rearrangement of the

3. The present guarantee is invalid if model or

serial number of the product is altered, erased, removed or unreadable.

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.

2. The present warranty does not enable the

right for compensation and cover of loss

product.

Warranty Service Coupon (to be filled in by a shop-assistant)	
Date of Purchase:	
Company-Seller:	
Address of Company-Seller:	Place of Si of Company
I have no claims as to appearance and package contents. I accept the conditions of warranty service.	or company

4.3. damage caused in result of:

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

USAGE INSTRUCTION

WARRANTY SERVICE COUPON

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

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

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.

Your warranty

since date of purchase.

Conditions

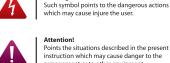
Thanks you for

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

ion to footnotes with symbols that warn Ingerous situations, such as Please pay your attent about the potential da ial da Warning



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

Enclosures Use the accessories supplied with your arrangement or recom-mended 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

Warranty for the Software

COPYRIGHTS AND TRADEMARKS

License for Software

LICENSE for SoftWare Software Use Agreement IMPORTANT - read carefully: when using the Software with your device, you agree thereby with every clauses of the Software Use Agreement. If you do not agree with the terms and conditions o the Software Use Agreement, you should immedi-ately stop using the device and return it to your services provider completely. is of

License provision; limitations According to this Agreement, Telecommunication Technologies, Ltd and your services provider are jointly to provide you with non-exclusive and non-transferrable license, without the right to subli-cense, for use of all software and documents with the product only. You recognize and acknowledge that Telecommunication Technologies and your services' provider may regularly renew, change or extend the product software abilities. You confirm that:

that: a) You will not take attempts to change or extend or decompile or disassembly or redesign, nor otherwise get access to the software source code. b) You will not take attempts to delete or upload the product software. Any sale or transfer of the product will be ruled hereby.

Ownership The Manufacturer and the Manufacturer's own The Manufacturer and the Manufacturer's own licensors keep all the rights constituting owner-ship, including patent, copyright, trademark, and other intellectual property for the Software; and any improvement and modification of the Soft-ware. You recognize and acknowledge that the license according hereof does not grant you ownership for the Software but only restricted right of use it, according to provisions of this Agreement

Agreement

Miscellaneous

Warranty for the Software To the maximum extent, according to applicable law, the Company does not make any submission and declines any and all warranties, whether exp-ress or implied, as to the Software, including, with no limitations, any implied demand warranties, no limitations, any implied demand warranties, correspondence to target destination, abuse of rights of third parties, neither those being result of interrelations or result of commerce. The Company does not guarantee the Software will be free of defects or errors; that any defects or errors will be corrected, or any function abilities of the Software will meet all your requirements Disclaime

Disclaimer To the maximum extent, according to applicable law, the Company, its suppliers or licensors does not bear responsibility for probable loss of profit, suspension of activity, loss of information, or data, or monetary funds, or for indirect, unforeseen, special, punitive or other loss or damage, which happen under this Agreement, use thereof or inability to use the Software, even in the case the Company or its cuppliers or licencer the pape Company or its suppliers or licensors have been informed of the possibility of such losses or

Expiration This Agreement and licenses provided hereafter should be cancelled immediately, if you are unable to meet the license restrictions, as specified herein. The Company may cancel such agreement without prior notice.

prior notice. After expiration of validity hereof, you should return all the Software, documents and access to the services supplier. ssories Miscellaneous This Agreement is governed by the Law of Ukraine, regardless of its principles and conflicts. You agree thereby all disputes arising out of this Agreement will be subject to exclusive jurisdiction and be considered in State Courts in Ukraine, and you agree thereby for personal and exclusive jurisdic tion and consideration of cases by those Courts. If any of terms or conditions hereof proves to be invalid by any applicable article or legal norms, it is deemed invalid. Any breach or default in payment, or any delay in implementation of any right will not be reason for further breach or default in payment. This Agreement is entire and exclusive payment. Inis Agreement is entire and exclusive agreement by and between you and the Company and prevails over any and all previous, whether oral or written, agreements and arrangements. This Agreement is subject to change in writing only, by duly authorized representative of the Company

Notice of Copyright ©Telecommunication Technologies Ltd. All rights

Ukraine and other regions

that are not mentioned above:

The information contained herein is the property

The information contained herein is the property of Telecommunication Technologies Ltd. (the Company). Not any part hereof can be copied, reprinted, transferred, retyped, saved in search engine, modified or translated into any other language, including computer one, nor sublicensed in any way, whether electronic, mechanical, magnetic, optical, chemical, manual or other one, without prior written consent by the Company Manager resonable for the Product. Company Manager responsible for the Product, located at: 1a, Tamozhennaya Sq., Odessa 65026 Ukraine.

Any illegal use of the materials contained herein, by any person, will lead the person to the responsibility for the Company's damages. Legal Clause

The Company will not bear any responsibility for any errors/mistakes, contained herein, neither any loss nor damage resulting from or related to this or the information contained herein, even if the Company has been notified of such loss or Company has been damage probability.

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. Warrantv

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.

Инфомир, Infomir are the trademarks of Infomir HDMI is the trademark of HDMI Licensing, LLC

Secure Media is the trademark of Secure Media Verimatrix is the trademark of Verimatrix. Inc.

Verimatrix is the trademark or 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, inless otherwise allowed by the Macrovision

Company. Redesigning and disassembling is illegal

Trademarks

Natick, MA.

Approvals FCC registration and requirements The following paragraphs specify requir and information based on the Federal Communication Committee Rules

Federal Communication Committee Rules, Part 15 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 tele radio technician.

Tadlo technician. 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

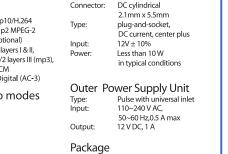
1a, Tamozhennaya Sg., Odessa 65026, Ukraine Safety

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.

CE

Directive WEEE (2002/96/EC) The Product is in accordance with the Directive WEEE.



Shipping Weight: 580 gr.

SERVICE CENTERS Maintenance of Product Service Centers List:

Service The product should not be disassembled.

(2) mounting and maintenance of the product

in conditions not corresponding to safety standards and regulations valid in the

(3) incorrect software installation (provides by

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.
e) faults of system in which the present product had been using.
5. 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.

country of use

service operator)

enters or dealers:

the power supply off the alternative current

The shell may be cleaned from persistent spots with a slightly wet cloth or cleaning tissue.

Europe, Africa, Asia: USA:

amp -Selle

Russia:

Don't use cleaner or polish, benzol, solvents, abrasive items, liquid or aerosol detergent means for the product and accessories cleaning.

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 selfsup-porting disassembling invalidates you the product guarantee. The maitenance should be effected by qualified specialists in service centers only. The product possesses protective sealings.

To ensure safety, before shell cleaning switch

Additional Information: Additional and extended information you can see by reference:

http://www.infomir.eu/

The product possesses protective sealings. Breaking or changing of the mentioned sealings invalidates guarantee of the product. Cleaning The product and accessories should be rub-

bed with dry cloth or tissue only. ocket

ABOUT YOUR MAG254 / MAG255

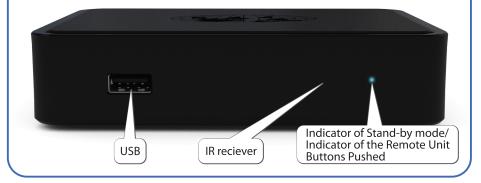
About your MAG254 / MAG255

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

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

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.



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. luence

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 surface 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

roduct 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 oduct

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 preven its deformation and jamming and touching it

Inserting batteries

8

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

avoid the risk of leakage.

responsible manner

n the picture

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 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 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. It is to protect the product from thunder discharges and power surges in the circuit.

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 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. 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 convirbit and is to be previously adopted by

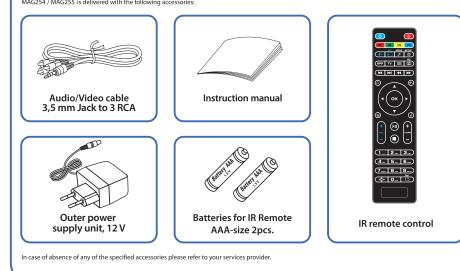
mmercial use.

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

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.

The product and accessories are packed into recycled package and plastic bags. Please keep all the packing materials for the further transportation. MAG254 / MAG255 is delivered with the following accessories



Any other use is prohibited

copyright and is to be previously adopted by possessor of the rights for the further

Updating Software

capability

updating.

any cables disconnecting. In case of the intensifier does not connected leave digital audio outlets of your product not connected.

Video Connecting

playing of digital video of high definition (HD). Composite (CVBS) - enables standard picture quality.

 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 component video outlets

Attention! In all cases follow coloration of connectors and sockets on your equipment.

Audio Connecting

ngements (TV, intensifier, etc.) and take power supply out of socket before connecting and

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 ΖŅ temperature to avoid condensation which may cause

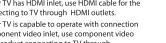
Update

To select a TV channel

USING REMOTE CONTROL TO CONTROL THE DEVICE This section explains how to unpack Remote Control (RC) and prepare it for work. Programmable section (0) Introduction into the Programmable Remote Control Unit Turn the Media ¢ Your service provider can supply the product with an alternative RC. In that case please refer to the manual supplied by your service provider. Player On / Off MAG254 / MAG255 package includes a remote control with a special block of five Additional finctions Finctions Finctions J. programmable buttons (marked with blue print colour), which you may want to Change audio mode choose for controlling other devices (TV set, amplifier). SETUP Sound On/Off (Remote Control requires two batteries type AAA, R03, LR03, UM-4, 286. Setup menu To program the buttons do the following: (APP TV 🔳 🔳 Inserting batteries into Remote Control. APP Press the «On/Off » and «A/V» buttons at the same time and hold it for 2 seconds. A\V 🔁 Context menu When the green light of the «On/Off » button will stop blinking and will light steadily, Quick TV access TV Menu 🗐 it means the RC is ready to learn. \bigcirc € 18 ۸ TV Guide \equiv 2 Press the buttor ant to Exit 🗇 КВ Place the infrared lamps of two RCs opposite each other and press the button on Virtual keyboard ок Back 🕤 the RC of the other device, the function of which you wish to copy on device RC. Replace the battery cover as Insert two batteries type AAA (included in package) taking care Hold for 2 seconds Skip Info (i) • shown in the picture After the green light two quick blinks you may continue programming other Average lifetime of a batterie to observe the correct polarity buttons. (#4 (M) Fast play • Repeat the procedure described above for all buttons you want to program for ₩ Important information about using batteries (ок) controlling external devices. Righ • Press the the «On/Off » and «A/V» buttons to save the programmed data; the green Do not mix different types of battery or old and new batteries. (+) Do not use rechargeable batteries with the remote control. light should fade off. Switch channels 1.1/ 2.00 3.00T Down Remove the batteries from the remote control if you are not going to use it for several weeks, to _ 4 or 5 m. 6 mo Reset Volume Please respect your environment and any local regulations and dispose of old batteries in a Press SETUP and OK buttons at same time and hold for 2 seconds red LED will flash 5 7 ross 8 ruy 9 wryz **I** Play / Pause times. Reset is done Stop Change aspect ratio 💌



 HDMI – provides the best quality of picture and allows Use the connection with the best quality which could be applied with your equipment.



The product allows connecting the following video cables:





Ethernet 4-pin 3,5 mm jack S/PDIF Composite video output Stereo line output



BACK PANEL MAG254 / MAG255

Connecting on the Back Panel

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.

CONNECTING TO MAG254 / MAG255

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

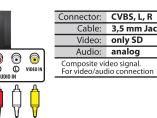
CONNECTING TO TV-SET WITH HDMI CONNECTOR - BEST QUALITY

Connector: HDMI 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 0 6 6 Composite video signal. For video/audio connection ® VIDEO





Power

supply

RC

10/100



