PRODUCT INFORMATION		
Product:	The set includes as follows:	
Product:	IPTV Set-Top-Box	-1 pc.
Serial Number:	External Power Supply Unit	-1 pc.
	IR Remote Control	-1 pc.
MAC:	AA batteries	-2 pc.
	Instruction manual	-1 pc.
i I	Package box	-1 pc.
	ı	
Q.C. representative	Optionally the set may follows:	include a
1 	3RCA to 3,5 mm jack cable	-1 pc.
1	LAN network cable	-1 pc.
	HDMI to HDMI cable	-1 pc.
1	! 	
1 1	 	
; '	 	

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



MAG 254 IPTV SetTopBox

MAG255 IPTV SetTopBox

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.

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

- I 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.
- product.

 3. The present guarantee is invalid if model or serial number of the product is altered, 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,
- (2) mounting and maintenance of the product in conditions not corresponding to safety standards and regulations valid in the standards and r country of use
- country of use
 (3) incorrect software installation (provides by service operator)
 b) repair performed by not authorized service centers or dealers;
- centers or dealers;
 c) accidents, lightning stroke, flood, fire, incorrect ventilation;
 d) transporting excluding cases when it is carried out by ASC.

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.

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

Company-Seller: Address of Company-Seller:

Date of Purchase:

Place of Stamp of Company-Seller

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

Signature of Customer: ______

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

SPECIFICATIONS

Physical Parameters Model MAG254 Micro / MAG255 Micro

Weight: 190gr.
Dimensions (approximately):
87 mm depth,
127 mm width,
30 mm height

Operation temperature:

33°F - 104°F (1°C -40°C)

Humidity: 5% ~ 93% RH
(without condensate)

Ethernet Interface

RI-45 shielded UTP and STP 5 categories Auto-choice 10/100 Mbit/sec Green - Connection, Yellow - Activity

USB Interface

Type: Quantity: USB 2.0 2

nominal Loading:

Decoding of transport stream **MPEG** MPEG-2 ISO/IEC 13818

Specification of transport stream

MPEG-4p10/H.264 MPEG-4 p2 MPEG-2 VC-1 (optional) 4:3, 16:9 Aspect: 4:3, 16:9 Video resolution: HD (1080i or 720p),

Graphics resolution

11. 1920 x 1080.

Audio Decoder:

1920 x 1080, 1280 x 720 for HD, 720x480 for NTSC and 720x576 for PAL, ARGB 32-bit, Alpha blending Dolby Digital+ (AC-3) optional, MPEG-1 layers I & II, MPEG-1/2 layers III (mp3), LC AAC, HE AAC, HE AAC v2 - optional, 16-bit PCM

Power Supply Interface

Connector: DC cylindrical
2.1mm×5.5mm Type:
plug-and-socket,
DC current, center plus
Input: 12V ± 10% Pc
Less than 10W in typical conditions

Video Cables

Composite Video Interface
Type: TRR5 (Yellow coni adapter cable)
Output: 1Vp-p

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

Type: Carubo 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"

Set-Iop-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
Please pay your attention to footnotes with symbols that warn about the potential dangerous situations, such as



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



Attention!

Points the situations described in the prese 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

Ernolosures
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

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. Breaking or changing of the mentioned sealings invalidates guarantee of the product.

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 current

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

tissue.

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

SERVICE CENTERS

Service Centers List:

Northern & Southern America Infomir USA , Inc

15 Surfway S., Calverton, NY 11933 e-mail: sales@infomirusa.com www.infomirusa.com

"PROMZAKAZ" LTD Block 18, 5th entrance, of. 9, Skladochnaya Str, Moscow 127018 www.promzakaz.com e-mail: info@promzakaz.com

Telecommunication Technologies" Ltd

1-A Tamozhennava Sq. Odessa 65026 Ukraine

Additional Information:

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

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 of
the Software Use Agreement, you should immediately stop using the device and return it to your
services provider completely.

License provision; limitations

According to this Agreement, Telecommunication
Technologies, Ltd and your services provider are
jointly to provide you with non-exclusive and nontransferrable license, without the right to sublicense, 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.

product will be ruled hereby.

Ownership

The Manufacturer and the Manufacturer's own licensors keep all the rights constituting ownership, including patent, copyright, trademark, and other intellectual property for the Software; and any improvement and modification of the Software. 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.

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 express or implied, as to the Software, including, with 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; that some such abilities of the Software will meet all your requirements.

Disclaimer

will meet all your requirements.

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 suppliers or licensors have been informed of the possibility of such losses or damages.

Expiration

This Agreement and licenses provided hereafter

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 accessories to the services supplier.

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 jurisdiction and consideration of cases by those Courts. If any of terms or conditions hereof proves to be invailed 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 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 reserved.

reserved.

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 responsible for the Product, located at: 1a, Tamozhennaya Sq., Odessa 65026, Ukraine.

located at: 1a, Iamozircin..., 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 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.

Warranty
Warranty

contained netrem, where we want to warranty 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

Itd.
Dollby and double-D symbol is the trademark of Dolby Laboratories.
Made under authority of Dolby Laboratories.
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. Macrovision is a USA patent no. 4,631,603, 4,577,216 and 4,819,098 licensed for users under the system paid – seen.

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 user of or domestic use or use in the system paid-seen, unless otherwise allowed by the Macrovision Company. Redesigning and disassembling is illegal.

The following paragraphs specify require and information based on the Federal Communication Committee Rules

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 hav 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 way

• To take reference from dealer or skilled teleradio technician.

The device corresponds to Federal

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

• The device should not cause harmful affect

The device should accept any interference in, including the one able to cause unwanted operation.

Company name: Telecomm

Ltd
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/C5A-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.

CE

ABOUT YOUR MAG254 MICRO / MAG255 MICRO

About your MAG254 Micro / MAG255 Micro

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

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

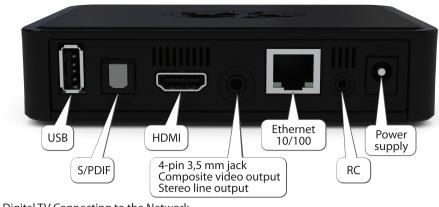
Getting Started

Please become acquainted in the next chapter how unpack and turn on power supply your MAG254 Micro / MAG255 Micro. In case of your product had been already adjusted for you by your provider look into "Use of Remote Control to control the device" for information how to use the product.



BACK PANEL MAG254 MICRO / MAG255 MICRO

Connecting on the Back Panel



Digital TV Connecting to the Network

MAG254 Micro / MAG255 Micro receives TV channels and movies from the "digital TV" network Your services provider had been already installed the connection with the mentioned network

 $\bullet \ \ Connect \ cable for \ "digital \ TV" \ network \ into \ "digital \ TV"/Ethernet \ port \ on \ your \ product.$

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

CONNECTING TO TV-SET WITH HDMI CONNECTOR - BEST QUALITY

CONNECTING TO MAG254 MICRO / MAG255 MICRO

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

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 quarantee.

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.

Quarantee in result.

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

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

instance, 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 product

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

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

and accessories are packed into recycled pack ro / MAG255 Micro is delivered with the follow

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 power supply unit provided by the manufactur 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

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

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.

td package and plastic bags. Please keep all the packing materials for the further transportati e following accessories:

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

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

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.

44 D 1

+ (4) + - (4) -1./ (2:) (3:)

IR remote control



Connector: HDMI Cable: HDM Video: SD + HD Audio: digital

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



Connector: CVBS, L, R Cable: 3x RCA - 3,5mm jack Video: only SD Audio: analog Composite video signal. For video/audio connec

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 component video outlets.

Attention! In all cases follow coloration connectors and sockets on your equipm

Audio Connecting

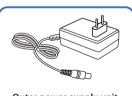
The product allows to conduct the following connections:

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





(optionally)



Outer power supply unit





Batteries for IR Remote AA-size 2pcs.

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

USING REMOTE CONTROL TO CONTROL THE DEVICE

This section explains how to unpack Remote Control (RC) and prepare it for

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 AA, R6, LR6, UM-3, 316, A316.



Important information about using batteries

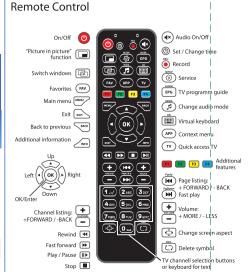
Do not mix different types of battery or old and new batteries.

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 responsible manner.

Your supplier optionally can provide the product with an alternative RC.



Remote Control with additional programmable section.

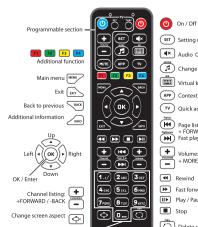
For convenience this RCU has additional section of programmable buttons. You can program these buttons, for example, to control your TV. RC has two LED lights to indicate of button presses and operational modes. The green indicator lights when any button pressed on the base RC section. Red indicator is used to program buttons from additional section.

Programming the RC:
To programm button from additional section please do as follows:

- 1. Press "SET" button and hold it for about 2 seconds. When red indicator becomes brighter the RC is ready to program.
- Dispose emitters of two RC opposites.

 3. Dispose emitters of two RC opposite each other at a distance 10 mm and press the button on the other RC to be used as a source for programming and hold it for 2 seconds.

 4. After three quick blinks red indicator will
- 5. Please program all buttons you needed as described above.
- 6. Press "SET" button to save all programming progress.



SET Setting menu Audio On/Off Change audio mode Virtual keyboard

TV Quick access TV Page listing:
+ FORWARD / - BACK
Fast play Volume: + MORE / - LESS **⋘** Rewind

Fast forward II▶ Play / Pause

Delete symbol