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AminET130 Installation Guide



Thank you for choosing the Amino AminET130 STB

Please follow the instructions in this installation guide carefully in order to quickly and safely start enjoying the benefits of digital TV. We advise carefully reading all of the enclosed safety and installation instructions before using the AminET130. Please keep this installation guide close to your AminET130 for future reference.

Your service provider will give you a separate *User Guide* that will explain how to access the services and features that are available through your digital TV service.

Product safety

Warnings, Cautions and Notes

Throughout this manual, please pay special attention to the following indications of potentially hazardous situations:



Warning!

Indicates a hazardous situation, which, if not avoided, could result in serious injury.



Caution!

Indicates a situation, which, if not avoided, could damage the product or other devices.



Note!

Indicates additional information to the user to make the user aware of possible problems and to help the user understand, use and maintain the product.

Warnings, Cautions and Notes are included in the product literature to ensure your safety and the correct operation of the product – please adhere to them.

Attachments

Use only the supplied accessories and attachments with your AminET130. Use of accessories or attachments that are not supplied or approved by the manufacturer may be unsafe, may be detrimental to the life or performance of the AminET130 and will immediately invalidate any product warranty.

Water and moisture

To reduce the risk of fire or electric shock, this product, its accessories and attachments must not be exposed to any liquids, rain or moisture. The product must not be exposed to dripping, splashing or high humidity. Do not use this product in any location where it may become in contact with any liquid or vapor.

Product care

Servicing

This product contains no user-serviceable parts.

The product must not be dismantled. Attempts to dismantle the product may be unsafe, may be detrimental to the life or performance of the product and will immediately invalidate any product warranty.

Servicing must only be attempted by suitably qualified service personnel.

The AminET130 has tamper-evident seals. Breaking or modifying these seals in any manner will immediately invalidate the product warranty.

Cleaning

The product, accessories and attachments should only require occasional wipe with a dry cloth. Unplug the mains plug from the wall outlet before cleaning the product.

The silver aluminum case of the AminET130 may be cleaned with a slightly damp cloth to remove stubborn marks.

Do not spray any substance or use any polishes, thinners, abrasive cleaning products, liquids or aerosol products to clean the product, its accessories or attachments.

Unpacking and installing the product

Once removed from the transit packaging, the AminET130 must be handled with care and must not be dropped, shaken or exposed to any physical shock.

The AminET130 is designed to be mounted either horizontally or vertically on a hard flat surface.

Do not place the AminET130 where it may be subject to physical shock or vibration or where the product may drop, topple, slide or shake as this may cause personal injury or irreparable damage to the product, which will not be covered by the manufacturer's warranty.

Do not operate the AminET130 on a soft surface such as carpet, rug, bed etc as these surfaces will obstruct airflow, may cause the product to overheat and will invalidate the warranty.

Do not install the AminET130 into any built-in installation such as bookcase or rack without ensuring that a minimum of 4" of clear space is available at the front, rear, sides and top of the product.

Do not install the AminET130 where it may be exposed to direct sunlight or radiant, convected or conducted heat from an open fire or radiator.

The AminET130 should not be placed on any surface that may become warm in use (such as on top of a VCR or A/V amplifier) and nothing should be placed on top of the AminET130.

Do not cover the AminET130.

Objects containing liquids, such as vases, flowerpots etc must not be placed on top of the product.

Do not pick the product up or move the AminET130 whilst it is operating. If the product must be moved, please pull the mains power cord out of the wall socket and wait 30 seconds before moving the product.

The AminET130 is not suitable for outdoor use.

The leads and power-supply cord must be routed where they cannot be walked on, chafed, tripped over or pinched by items being placed on or against them. Power-supply cords must not be routed underneath carpets or rugs where any damage could not be seen.

Power sources

The AminET130 must ONLY be used with the power supply supplied by the manufacturer. The power supply is fitted with a plug that is designed for use with the power source of the country of installation. If it is necessary to operate the product in another country or geographical area with a different power source, an approved adapter for that country or location must be obtained from the manufacturer.

Operation

The AminET130 and power supply will get warm to the touch when in use. If the AminET130, power supply or attachments become hot to the touch, immediately unplug the AminET130 from the mains electricity supply and call your service provider to arrange replacement.

Lightning protection and not in use

If lightning is expected, or the product is not going to be used for a long period of time, please unplug the mains cord from the wall outlet, unplug the digital TV network connection from the rear of the product and unplug the video and RF leads to the Television. This will help protect the product from damage due to lightening and power surges.

Use with Plasma displays

When used with certain display types, such as Plasma displays, it is important that the picture is not paused for a long time (greater than 5 minutes) as the image displayed may then be 'burned' permanently into the screen of the display device. This effect is not a defect of the AminET130 but a limitation of the display device. Amino

Communications Limited will not be held liable for damage thus caused.

Intent of use

The AminET130 is intended for the reception and recording of TV picture and sound signals. Any other application is expressly prohibited.

It is intended by Amino Communications Limited that this AminET130 be used in full compliance of all copyright laws of the United States. It is the users responsibility to comply with such laws. Unauthorized recording of copyrighted material or providing copies of such programs to others may, in certain circumstances, violate copyright law and prior permission from the copyright owners may be required for certain public performances and certain commercial uses.

Software updates

This product is designed to evolve and as a consequence, it benefits from software updates provided and installed automatically by your service provider. Amino Communications Limited and your Service Provider reserve the right to automatically update the software on the product in order to improve the product functionality.

During software updates, the AminET130 cannot be used and must not be switched off until the software update is complete.

The first time it is powered, it is possible that the AminET130 will immediately start updating itself with the latest operating software. While the software is updating it is important that the AminET130 is not switched off. The software update will be complete after a few minutes and you will then be ready to enjoy the full benefits of your new digital TV service.

Software license

Software License Agreement

IMPORTANT – READ CAREFULLY: By using the software in your AminET130, you agree to be bound by the terms of this Software License Agreement. If you do not agree to be bound by the terms of this agreement, you must immediately cease all use of the product and return the product and all accessories, in the original packaging to your service provider.

License Grant; Restrictions

Subject to the terms of this agreement, Amino Communications Ltd and your service provider jointly grant you a non-exclusive, non-transferable license, without the right to sub-license, to use all software included with the product or subsequently provided to you, and all documentation solely for your noncommercial use and solely in connection with your use of the product. You acknowledge and agree that Amino Communications Ltd and your service provider may periodically update, modify or enhance the product software. You agree that; a) you will not attempt to modify, enhance, disassemble, decompile, reverse engineer or otherwise attempt to gain access to the source code to the software; and b) you will not attempt to remove or unbundle the software from the product. Any resale or transfer of the product by you will be subject to the terms and conditions of this agreement.

Ownership

Amino Communications Ltd and its licensors own and retain all proprietary rights, including all patent, copyright, trade secret, trademark and other intellectual property rights in and to the software and to any enhancements or modifications to the software. You acknowledge that the license granted under this agreement does not provide you with title or ownership to the software but only to a right of limited use under the terms and conditions of this agreement.

Software warranties

To the maximum extent permitted by applicable law, the Company makes no representations and disclaims any and all warranties, express or implied with respect to the software, including, without limitation, any implied warranty of merchantability, fitness for purpose, non-infringement of third part rights and those arising from a course of dealing or usage of trade. No representation is made or warranty is given that use of the software will be defect free or error free or uninterrupted, that any defects or errors will be corrected or that the functionality of the software will meet your requirements. Because some US states do not allow all disclaimers of warranty, these limitations may not apply to you.

Limitation of Liability

To the maximum extent permitted by applicable law, the Company, its suppliers and licensors will not be liable for loss of profits, business interruption, loss of information or data or other pecuniary loss or for any consequential, indirect, incidental, special, punitive or other damages whatsoever arising out of this agreement or the use or inability to use the software, even if the Company or its suppliers or licensors have been advised of the possibility of such damages. Because some US states do not allow such exclusion or limitation of liability, these limitations may not apply to you.

Termination

This agreement and the licenses granted hereunder shall immediately terminate if you fail to comply with the license limitations described in this agreement. No notice will be required from the Company to effect such termination.

On termination of this agreement you must return all hardware, software and product documentation and accessories to the service provider.

Export Controls

You acknowledge and agree that none of the software or underlying information or technology

may be downloaded or otherwise exported or re-exported: a) into (or to a national or resident of) Angola, Cuba, Iran, Iraq, Libya, North Korea, Sudan, Syria, or any other country to which the US has embargoed goods; or any one on the US Treasury Department's list of Specially Designated Nationals or the US Commerce Department's Table of Denial Orders. By using the software, you represent and warrant that you are not a resident or national of any such country or on any such list. This software is a commercial product and is provided with restricted rights. Use, reproduction, release, modification or disclosure of the software or any part thereof including technical data is restricted in accordance with Federal Acquisition Regulation (FAR) 21.212 for civilian agencies and Defense Federal Acquisition (DFARS) 227.7202 for military agencies.

Miscellaneous

This agreement shall, in all respects, be governed by the laws of the State of Georgia without reference to its principles or conflicts of laws. You hereby agree that all disputes arising out of this agreement shall be subject to the exclusive jurisdiction and of and venue in the federal and state courts within Atlanta, Georgia, and you hereby consent to the personal and exclusive jurisdiction and venue of these courts.

If any of the provisions of this agreement are held to be invalid under any applicable statute or rule of law, they are, to that extent, deemed omitted. The waiver of any breach or default, or any delay in exercising any rights shall not constitute a waiver of any subsequent breach or default. This agreement constitutes the complete and exclusive agreement between you and the Company with respect of the subject matter hereof and supercedes all prior oral or written understandings, communications or agreements. This agreement may not be modified except in writing by a duly authorized representative of the Company.

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Copyright Notice

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This document is intended for informational and instructional purposes only. The Company reserves the right to make changes to the specifications and other information contained in this document without prior notification.

Warranty

A warranty for your AminET130 IP STB is offered through your service provider. In the case of your AminET130 requiring servicing, please contact your service provider directly.

Trademarks

Dolby and the double-D symbol are trademarks of Dolby Laboratories.

Manufactured under license from Dolby Laboratories.

HDMI is the trademark of HDMI Licensing, LLC.

Irdeto is the trademark of Mindport BV.

Widevine is the trademark of Widevine Technologies Inc.

Secure Media is the trademark of Secure Media Natick, MA.

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Approvals**FCC Registration and Requirements**

The following paragraphs describe requirements and information based on FCC rules:

FCC Rules, Part 15

This equipment has been tested and found to comply with the limits for a class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio-frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio of television, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna
- Increase the separation between the equipment and the receiver
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected
- Consult the dealer or an experienced radio/TV technician for help

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

- This device may not cause harmful interference, and
- This device must accept any interference received, including interference that may cause undesired operation

Company Name: Amino Communications Ltd
Address: Buckingway Business Park, Anderson Road, Swavesey, Cambridge, Cambridgeshire, CB4 5UQ, United Kingdom.

Safety

The following paragraphs describe requirements and conformity:

Conformity

IEC 60065:2001
CAN/CSA-C22.2 No. 60065-03
UL 6500

Rating

5V dc, 1.5A Class III

European Approvals

This product is manufactured to comply with the E.E.C Directives 72/23/EEC (Low voltage directive) and 89/336/EEC (EMC directive)

**WEEE Directive (2002/96/EC)**

The AminET130 is in compliance with the WEEE Directive.



Introduction

Describes the features provided by your AmiNET130 set top box.



About your AminET130

Welcome to the AminET130, a stylish set top box which enables you to receive High Definition and Standard Definition live TV and movies over your digital TV service.

You control all the functions of the AminET130 using the Amino infra-red remote control in conjunction with on-screen menus provided by your service provider.

Controlling TV

The AminET130 will typically allow you to choose what you want to view by keying in the channel number, stepping through the channels, or by selecting programs from an on-screen electronic program guide.

To change channel from the front panel

- Carefully slide the left-hand section of the front panel open to reveal the + and - buttons.
- Press + for STB Channel Up and - for STB Channel Down.

To insert a viewing card

Do not insert or remove a viewing card until prompted by the on-screen display, or you may damage the card.

- Insert the card fully into the slot on the front panel on the AminET130 with the gold coloured pads facing down and away from you.

Getting started

Please refer to the next chapter for information about unpacking and connecting up your AminET130.

Alternatively, if your AminET130 has already been set up for you by your provider, see *Using the Amino remote control with your AminET130*, page 11, for information about using your product.



Setting up the AmiNET130

Explains how to unpack your AmiNET130 and connect it to your TV, and the other equipment in your audio and video system.

Unpacking the AminET130

The AminET130 and its accessories are packed in a recyclable board and plastic package. Please keep all packaging in case you need to transport the unit at a later date.

The AminET130 is supplied with the following accessories:



Power supply for
AminET130



Mains cable



Component Video lead*

* Your service provider may supply a different video lead from that shown.



Amino remote control†



2 x AAA batteries for
remote control†



Stand

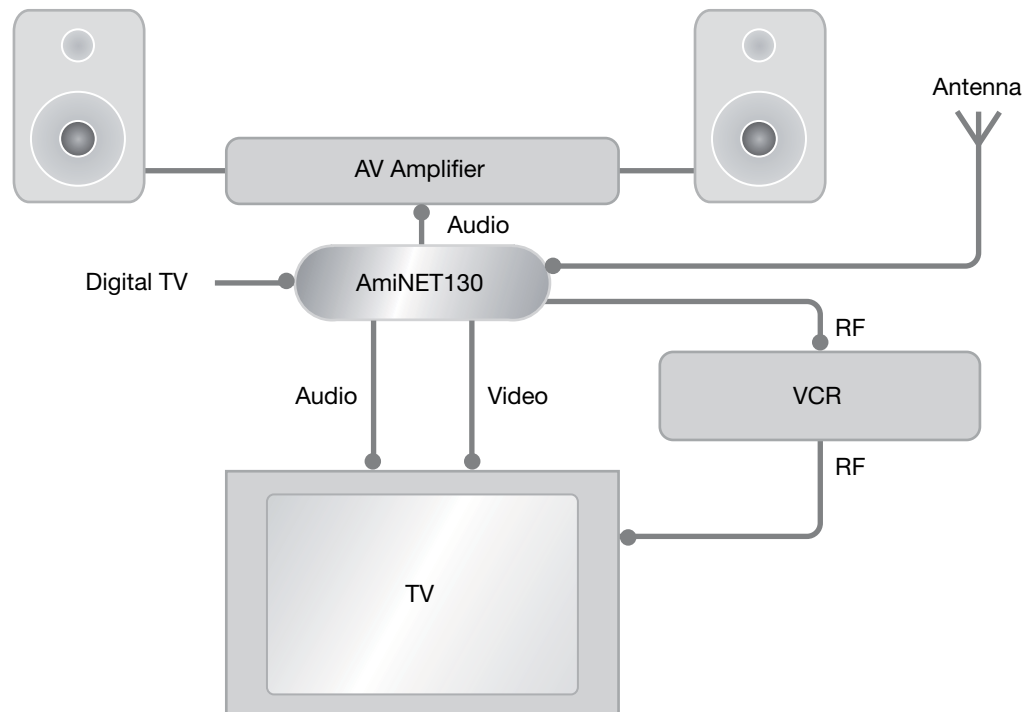
† Your service provider may supply a different remote control from that shown.

If any of these accessories are missing please contact your service provider.

The front window of the AminET130 is protected with a clear plastic film, and this should be removed and disposed of before using the product.

Connecting up the AminET130

The following diagram shows how to connect up your AminET130 in a typical installation including a TV, VCR, and AV amplifier:



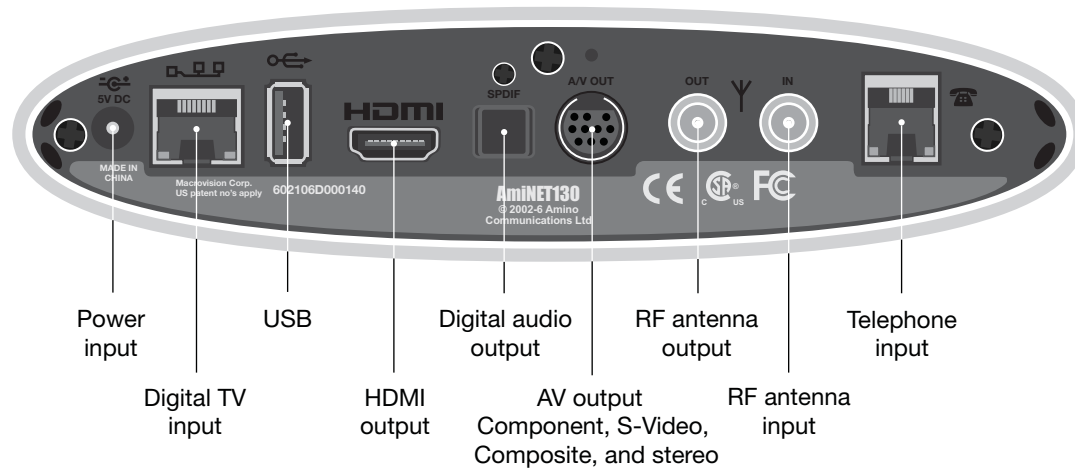
Warning!

Before connecting or disconnecting any cables, switch off all system devices (TV, VCR, AV Amplifier, etc) and disconnect from the mains electrical supply.

If your system does not include a VCR connect the RF output from the AminET130 directly to the input of your TV.

If your system does not include an AV amplifier leave the digital output of the AminET130 unconnected.

Back panel connections



The following sections give more detailed information about connecting the AminET130 to each of the other components in your system.

Connecting RF

- Unplug the cable coming from the antenna from the back of your VCR or TV and plug it into the RF antenna IN input of the AminET130.
- Connect the RF antenna OUT connector on the back of the AminET130 to the RF IN connector on the VCR, or on the TV if you do not have a VCR, using a standard RF cable available from retail outlets.

Connecting to the digital TV network

The AminET130 receives TV and movies from the digital TV network. Your service provider will have already installed a connection to this network.

- Connect the Digital TV network lead provided by your service provider to the Digital TV input on the AminET130.

Connecting video

The AminET130 provides the following video outputs:

- HDMI, which gives digital High Definition quality. If your TV supports DVI then digital High Definition can be achieved with a HDMI-DVI cable (not supplied).
- Component Video (Y, Pr, Pb), which can output analogue High definition or the best quality standard definition.
- S-Video, which gives good picture quality.
- Composite Video (CVBS), which gives standard picture quality.
- RF, which gives the same quality as broadcast TV.

Use the highest quality connection available on your other equipment.

- If your TV has an HDMI input use an HDMI cable to connect the HDMI output from the AminET130 to the HDMI input on the TV.
- If your TV has a DVI input use a HDMI to DVI cable to connect the HDMI output from the AminET130 to the DVI input on the TV. However, DVI only carries video signals, not audio, so in this case you will also need to connect the audio connectors from the Component Video lead or S-Video lead described below to the audio inputs of the TV, taking care to match the colour of each plug to the socket.
- If your TV provides Component Video inputs use the Component Video lead supplied with the AminET130 to connect the Component Video outputs from the AminET130 to the Component Video inputs of the TV, taking care to match the color of each plug to its corresponding socket.
- If your TV has an S-Video or Composite Video input, an optional combined S-Video and Composite Video lead may be supplied by your service provider (Part No. 002-594). Use this to connect to the appropriate input on your TV, taking care to match the color of each plug to its corresponding socket.
- If your television only provides an RF input the AminET130 will deliver a good picture on the appropriate TV channel, as selected on the AminET130 Setup screen. The RF connection also supplies the audio, so a separate audio connection is not required.

Connecting audio

The AmiNET130 provides the following audio connections:

- Left and right audio for stereo sound (on the AV output).
- S/P DIF digital output for high quality surround sound, when used with an external decoder and amplifier (not supplied).

If you are using the DVI, Component Video, S-Video, or Composite Video outputs you should connect the audio left and right connectors included in the lead to the television or AV amplifier to provide sound.

If you have a separate AV surround sound amplifier with electrical S/P DIF input:

- Connect the digital audio output from the AmiNET130 to a suitable digital audio input on the AV amplifier using a standard S/P DIF lead (not supplied) to allow you to listen to Dolby 5.1 surround sound, or Windows Media Audio Pro when available.

Connecting power

The AmiNET130 is provided with a low voltage power supply.

- Connect the power lead from the power supply to the power input of the AmiNET130.
- Connect the mains power to your TV, video recorder, AmiNET130 power supply (using the supplied lead), and AV amplifier.



Caution!

After unpacking the AmiNET130 please wait until it has reached room temperature before applying power as condensation may damage the product.

Setting up the Amino remote control

This section explains how to unpack and set up the Amino remote control.

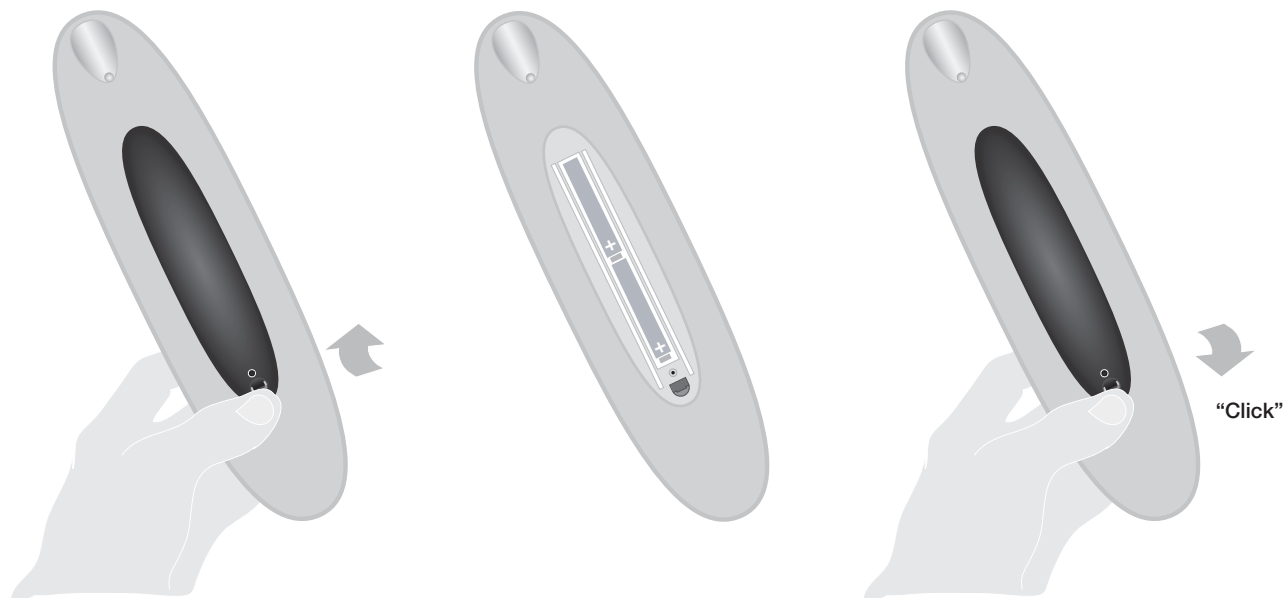
Your service provider may have supplied an alternative remote control, in which case please refer to the User Guide supplied by your service provider for instructions on setting up and using the remote control.

Inserting batteries

The remote control requires two batteries type AAA, MN2400, UM-4, or LR03.

For best performance we recommend using Alkaline batteries.

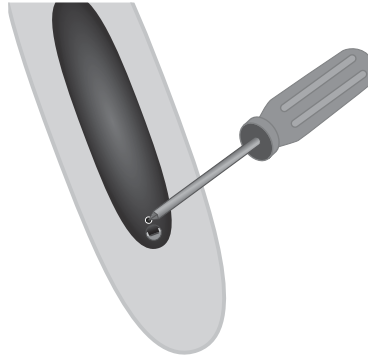
- Open the battery cover by pushing lightly on the tab and lifting up the cover:
- Insert the batteries, taking care to observe the correct polarity:
- Replace the battery cover by engaging the two tabs in the top of the case and then closing it until it clicks into place:



Childproof feature

You can optionally secure the battery compartment with the screw provided to prevent children from opening the compartment:

- Remove the battery cover as described above, and using a suitable screwdriver remove the silver screw at the base of the remote control:



- Replace the battery cover.
- Fit the screw at the base of the cover, taking care not to overtighten it.

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.

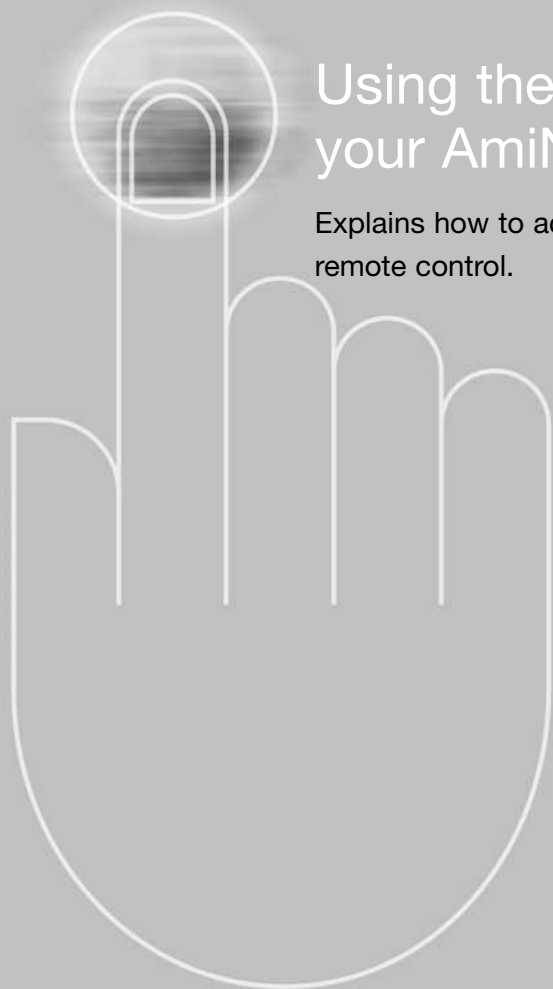
Remove the batteries from the remote control if you are not going to use it for several weeks, to avoid the risk of leakage.

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

**Caution!**

Do not attempt to recharge the batteries.

Immediately remove any leaking batteries. Take care when handling leaking batteries as they may cause burns to the skin or eyes, or other physical injuries.



Using the Amino remote control with your AmiNET130

Explains how to access all the features of your AmiNET130 using the Amino remote control.

Controlling the AminET130

To control the AminET130 press the **STB** button on the remote control. The **STB** mode-select button will light for one second to indicate that the mode has been set.

When any valid function button on the remote is pressed, the **STB** button will light to indicate that a command is being transmitted in STB mode.

Switching on or off

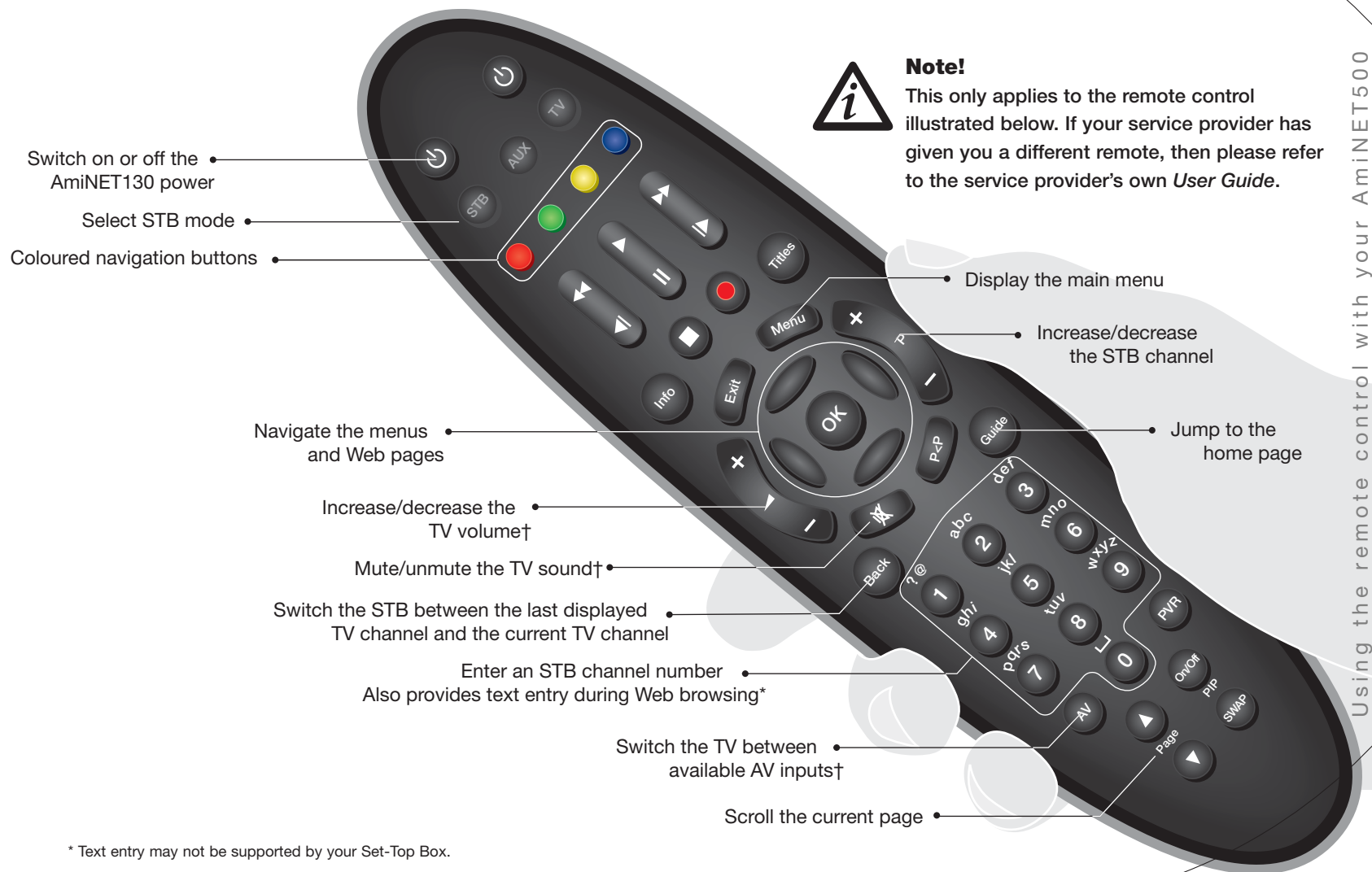
To turn the AminET130 on or off:

- Press the power button on the Amino remote control.

When the AminET130 is switched on the status light on the front panel is on.

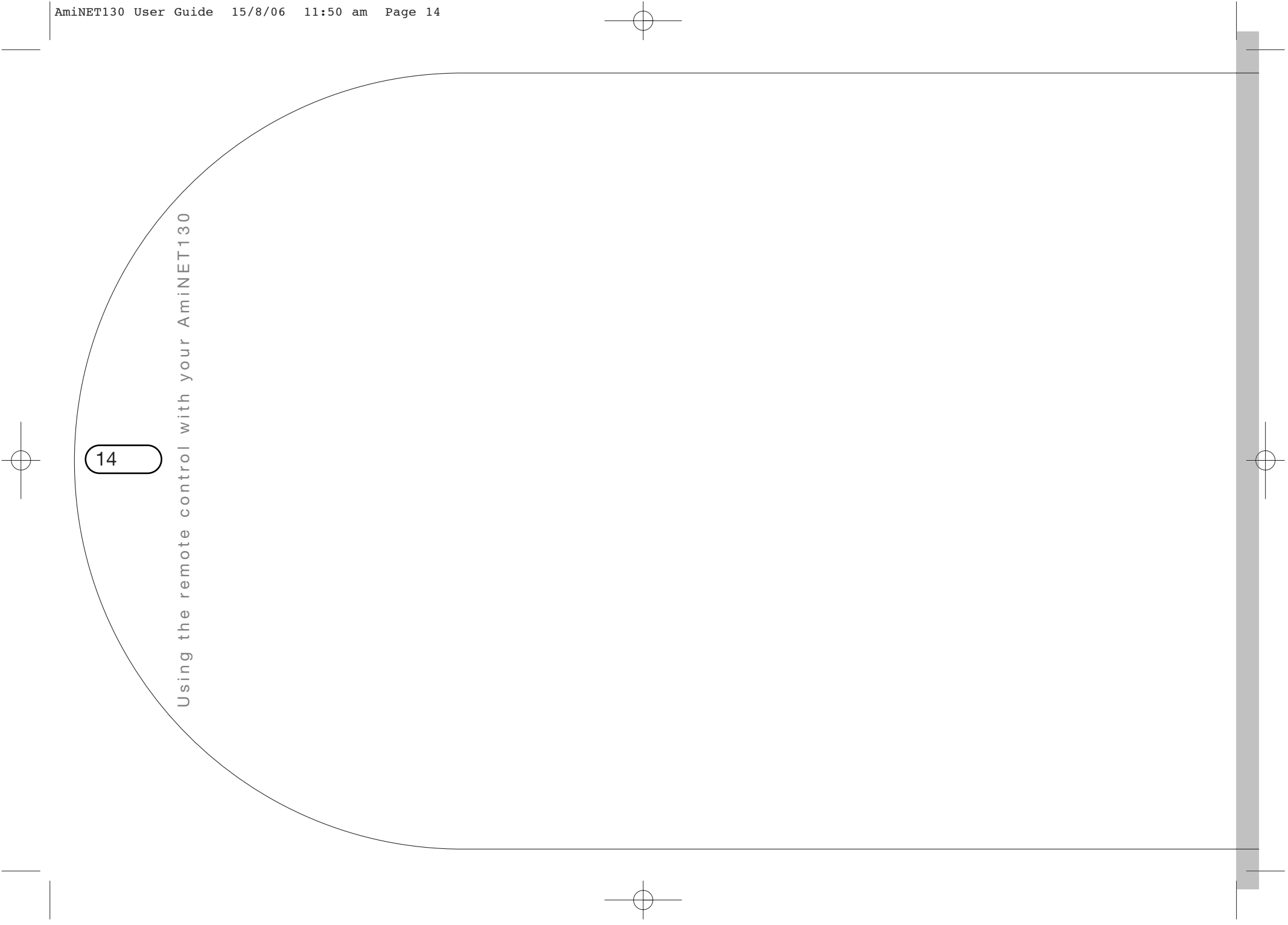
Using the remote to control the AminET130

In Set-Top Box (STB) mode, the remote can control the following functions of the AminET130:



* Text entry may not be supported by your Set-Top Box.

† These buttons control the TV functions in both TV mode and STB mode.





Using the Amino remote control with your TV

Explains how to set up and use the Amino remote control to operate your TV.

Configuring the remote control

In order for the remote to transmit the correct signals to control the TV, the remote must be programmed with a code corresponding to the type of TV in use.

To do this proceed as follows:

- Identify the make of the TV; eg Sony, Magnavox etc.
- Find the TV make listed in the TV brand code tables in the next section.
- Press and hold the **TV** button for a minimum of 5 seconds, when successful the LED will blink 2 times.
- Release the **TV** button
- Enter the four digit brand code according to the TV that is being controlled

If a valid code has been entered, the LED will blink twice.

If a TV code has been entered that the remote does not recognise there will be one long blink of the LED. If this happens start the process again from the beginning.

- Verify that the remote works with the TV.

The remote will exit the programming stage if 10 seconds elapse between key presses.

Most TV makes have more than one brand code listed in the brand code table – if this is the case try all brand codes that are listed for that make until a suitable match is found.

If no brand code is listed for the TV, try brand codes for Philips and NEC TVs.

If no brand code works for your TV, please contact your service provider who may be able to help.

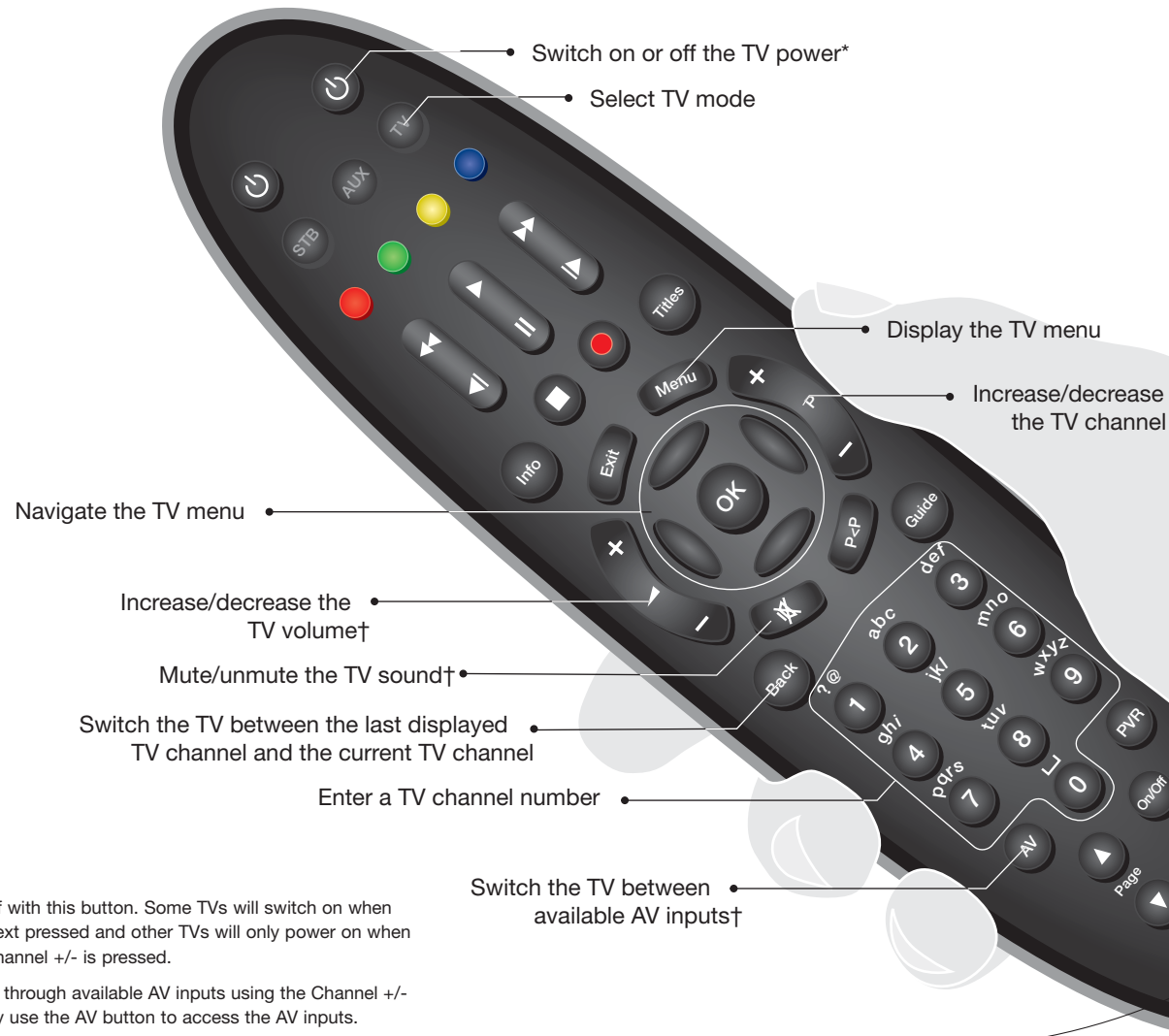
Controlling a TV

To control the TV press the **TV** button on the remote control. The **TV** mode-select button will light for one second to indicate that the mode has been set.

When any valid function button on the remote is pressed, the **TV** button will light to indicate that a command is being transmitted in TV mode.

Using the remote control to control a TV

In TV mode, the remote can control the following TV functions:



* All TVs will power off with this button. Some TVs will switch on when the power button is next pressed and other TVs will only power on when a channel button or channel +/- is pressed.

† Some TVs will cycle through available AV inputs using the Channel +/- button. Other TVs only use the AV button to access the AV inputs.

TV brand codes

TV

3M	0767
888	0294 0442
A.R. Systems	0067 0382 0586 0404 0485
Accent	0039 0067 0586
Acer	1369
Acoustic Research	1299 1326
Acura	0039
Adcom	0655
Addison	0683 0180 0122 0138
ADL	1247
Admiral	0123 0193 0393 0448 0117 0294
Advent	0791 0847 0906 0845 0813
Adyson	0247 0246
AEA	0067 0586
AEG	1586 0636 1193
Agashi	0246 0294 0247
AGB	0546
Agef	0117
Aiko	0122 0039 0067 0586 0246 0401 0065 0463 0102 0391 0221 0294 0247
Aim	0067 0102 0442 0586 0783 0238 0736 0835
Airis	0874
Aiwa	0731 0735 0877 1946 1938 1535
Akai	0039 0060 0391 0632 0238 0586 0067 0401 1567 0842 0463 0775 0221 0732 1965 0065 0248 0702 0102 0783

Akashi	0193 0442 0759 0744 0546 0745 0578 0510 0247 0661 0246 0294 0208 0407 0636 1067 1938 0503 0678 1289
Akiba	0890 0039
Akiba	0248 0312 0485 0067 0586
Akira	0448
Akito	0067 0586
Akura	0067 0248 0294 0586 0698 0442 0039 0312 0201 0744 2012
Alaron	0246
Alba	0039 0067 1067 0586 0066 0744 0248 0448 0400 0401 0698 0385 0246 0277 0193 0517 1938 0473 1965
Albatron	0730 0873
Alfide	0702
Alkos	0065
All-Tel	0895
Allegro	0750 0804
Allorgan	0236 0247
Allstar	0067 0586
Ambassador	0207
America Action	0210
Amplivision	0247 0400 0350
Ampro	0781
Amstrad	0039 0207 0067 0201 0546 0294 0392 0401 0248 0442 0463 0586 1067 0678 2012
Anam	0067 0586 0039 0730 0210 0280 0891
Anam National	0067 0280 0586 0680
Andersson	1193
Anglo	0039 0294
Anhua	0081
Anitech	0039 0294 0067 0586 0312 0132

Ansonic	0400 0067 0586 0039 0698 0404 0193 0322 0132 0441 0289 0277 1467 0134
AOC	1132 0060 0039 0090 0122 0123 0138 0208 0210 0481
Aolingpike	0294 0442
Aolingpu	0888
Apex Digital	0778 0795 0797 1247
Apollo	0503
Arc en Ciel	0139 0226
Arcam	0246 0247
Ardem	0516 0744 0067 0663 0586
Aristona	0586 0067
Arthur Martin	0193
ASA	0134 0135 0376 0100 0117
Asberg	0067 0586 0132
Asora	0039
Astra	0067 0586
Asuka	0248 0247 0246 0294 0312
ATD	0728
Atlantic	0067 0586 0246 0236 0350 0289
Atori	0039
Auchan	0193
Audinac	0210
Audiosonic	0039 0067 0404 0850 0139 0586 0744 0745 0247 0400 0367 0294 0248 0516
Audioton	0247 0516 0400 0294
Audiovox	0122 0653 0210 0481 0832
Audioworld	0728
Aumark	0090
Autovox	0117 0236 0379 0247 0277

AVP	1938
AWA	0039 0041 0066 0187 0404 0481 0442 0067 0586 0246 0636 0247 0138 0294 1406
Axxent	0039
Axxon	0744
B&D	1247
Baihe	0039 0294 0442
Baile	0031 0039 0404 0691
Baird	0139 0373 0223 0102 0103 0247 0238 1226
Bang & Olufsen	0595 0117
BaoHuaShi	0294 0442
Baosheng	0039 0847
Barco	0193
Basic Line	0039 0404 0067 0248 0193 0698 0586 0312 0247 0485 0369 1067
Bastide	0247
Bauer	0835 0039
Baur	0039 0067 0391 0542 0565 0225 0584 0586 0221 0379 1535 1040
Baysonic	0210 0266 0493
Bazin	0247
Beaumark	0208
Beijing	0031 0039 0238 0256 0294 0404 0442 0512 0691 0842 0847 0851
Beko	0400 0744 0065 0516 0745 0067 0448 1067 0586 0636 0838
Bell & Howell	0047 0184
Belson	1221 0924
Bennett	0586 0067
BenQ	1062 1786 1345
Beon	0067 0586 0448
Berthen	0698
Best	0367 0400
Bestar	0067 0586 0400 0404

Bestar-Daewoo	0404		0391 0517 0690 0238	Chunfeng	0039 0294	Crosley	0084 0117 0104 0277
Binatone	0247		0247 1586 0644 0586	Chung Hsin	0180 0138 0083 0210		0193
Black Diamond	0644 0850 1067 0586		0744 1930 1938 0808		0066	Crown	0039 0210 0702 0742
	0851 0783 1193		1289 1273 1946	ChungFeng	0442		0067 0400 0516 0586
Black Panther	0132	Caihong	0039 0847	Chunsun	0039 0847		0448 0517 0744 0636
Black Star	0277	Cailing	0778	Cimline	0039 0248		0745 0238 0083 0369
Black Strip	0065	Caishi	0921	Cinema	0702	Crown Mustang	0702
Blacktron	0312	Candle	0060 0086 0216	Cineral	0122 0481	CS Electronics	0246 0248 0277
Blackway	0312 0248	Canton	0248	Cinex	0678 1586	CTC	0277
Blaupunkt	0225 0584 0221 0565	Capetronic	0060	Citizen	0060 0122 0481 0565	CTX	1786
	0230 0357 0485 0200	Capsonic	0294		0086 0216 0090 0210	Curtis Mathes	0077 0060 0084 0081
	0066	Carad	0640 0067 0586 0698	City	0039		0090 0086 0123 0175
Blue Sky	0067 0248 0586 1284		1067	Clarion	0210		0732 0184 0481 0196
	0698 0744 1067 0517	Carena	0485 0067 0586	Clarivox	0067 0448 0586 0100	CXC	0210
	0745 1939 0312 0485	Carnivale	0060		0132	Cybertron	0248
	1938 1221 0838 1393	Carrefour	0066 0100 0067 0586	Clatronic	0067 0277 0400 0401	Cytronix	1328
	1344	Carver	0084 0200		0744 0248 0294 0586	D-Vision	0067 2012 0586
Blue Star	0312	Cascade	0039 0067 0586		0247 0039 0132 0350	D.Boss	1504
Bondstec	0277	Casio	0067 0586 0193 0379		0678 0636 1193	Daenix	0702 0210
Boots	0247 0039	Cathay	0067 0586	Clayton	1067	Daenyk	0702
Bosch	0350 0357	CCE	0067 0247 0586	CMS	0246	Daewoo	0122 0481 0653 0664
Boxlight	0766	Celebrity	0030	CMS hightec	0247		0691 0702 0404 0730
BPL	0067 0312 0586 0926	Celestial	0849 0850 0851 0797	Cobolt	0921		1939 0529 0067 0586
	1075	Centrex	0810 0856 0921	Combitech	1938		0039 0060 0246 0248
Bradford	0210	Centrum	1067	Concerto	0086		0247 1167 0210 0208
Brandt	0139 0655 0365 0226	Centurion	0067 0586	Concorde	0039		0200 1932 1938 0086
	0317 0373 0590 1395	Century	0117 0277 0268	Condor	0350 0067 0400 0586		0871 0910 0138 0180
Brandt Electronique		CGE	0104 0277 0448 0400		0246 0039 0312 0132		1337 0184 0906
	0317 0365		0193		0277 0448 0441 0193	Dainichi	0248 0246
Brinkmann	0067 0586 0698 0549	Changcheng	0031 0039 0081 0294	Conia	0784 0851 0924 0850	Danichi	0248
	0448 0516		0404 0442 0691 0847	Conrad	0067 0586	Dansai	0067 0586 0294 0065
Brionvega	0067 0392 0586 0117						0246 0039 0066 0247
Britannia	0246 0247	Changfei	0039 0404 0847	Conrowa	0039 0175 0186 0294		0238
Broksonic	0266 0493	Changfeng	0294 0442 0783 0847		0442 0728 0783 1200	Dansette	0442
Brother	0294	Changhai	0039 0847	Contec	0039 0210 0246 0066	Dantax	0400 0516 0744 0636
Bruns	0117	Changhong	0797 0850 0039 0186		0187 0041 0294 0067		0745 1938
BSR	0193 0391		0294 0538 0847 0851		0586	Datsura	0238
BTC	0248		0878	Continental Edison		Davis	0766
Bush	0039 0698 0066 0248	Chengdu	0039 0847		0139 0226 0317 0517	Dawa	0039 0067 0586
	0067 0193 0379 0312	Ching Tai	0039 0122	Cosmel	0039 0367 0067 0586	Daytek	0728 1237 0736 1406
	0385 0401 0404 0549	Chun Yun	0030 0039 0122 0210	Craig	0210		0702 1404
	0728 1067 0393 0294		0730 0873			Dayton	0039 1237 1404

Daytron	0039 0210 0404 0067 0586	Dream Vision	1734	Elite	0248 0067 0350 0586	Ferguson	0067 0103 0139 0655
Dayu	0404 0691	Drean	0067	Elman	0132		0317 0365 0373 0590
de Graaf	0238 0074 0578 0193 0393	DSE	0918 0891 1586 0850	Elta	0039 0294 0246 1972		0268 0223 0586 0065
DEC	0825 0890 0921	DTS	0039	Emco	0277		0083 0134 0138 0391
Decca	0067 0102 0546 0586 0247 1167 0651 1938	Dual	0549 0379 0247 0373 0067 0586 0289 0382 0424 0193 1167 0661	Emerson	0207 0208 0210 0266 0744 0493 0117 0312 0653 0277 0067 0586 0401 0100 0184 0201 0350 0391 1939 0516 0400 0193 0351 0698	Fidelity	0193 0246 0542 0201 0391 0393 0067 0586 0401 0442 0223 0294 1938
Deitron	0067 0586 0404 0248	Dual Tec	0247			Filsai	0247
Dell	1294 1110	Dumont	0047 0117 0100 0134 0132 0247 0102	Emperor	0312	Finlandia	0238 0376 0578 0391 0193 0393 0102 0317 0373
Denko	0294	Dunai	0193	Envision	0060 0843 1395		
Denon	0175	Durabrand	0067 0586 0208 1467 0210 0493 1064 0201 1493	Enzer	0783	Finlux	0067 0135 0100 0134 0102 0586 0744 0376 0441 0546 0247 0193 0745 0117 0132 0661 0522 0510 1586 0659 0503 0448 0636 0651
Denver	0067 0586 0636 1219 0617	Dux	0067 0586	Epson	1152		
DER	0223	DVX	0921	Erres	0067 0586		
Desmet	0350 0067 0586 0039 0117	Dwin	0750 0804	Esa	0842		
Diamant	0067 0586	Dynatech	0247	ESC	0067 0586 0247		
Diamond	0294 0728 0039 0855 0246 0401 0890 0850	Dynatron	0067 0586	Estèle	0193	Firstar	0039 0266
Digatron	0067 0586	Easy Living	1278 1289	Ether	0039 0060	Firstline	0039 0067 0268 0210 0246 0586 0247 0404 0277 0698 0351 0744 0193 1939 0132 0441 0379 0102 0238 0391 1067 1221 0838 1193 1393 1401
Digihome	1179	Ecco	0803 0736	Etron	0031 0039 0067 0586 0193 0850		
Digiline	0067 0586 0135 0698	ECE	0067 0586	Eurofeel	0294 0247		
DigiLogic	0067 0586	Edison-Minerva	0517	EuroLine	0067		
Digitex	0850	Eiki	0765	Euroman	0246 0294 0067 0586 0247 0400		
Digitor	0067 0586 0918 0891	Elbe	0289 0465 0268 0392 0322 0400 0193 0067 0586 0248 0221 0441 0640 0247 0546 0391	Europa	0067 0586	Fisher	0134 0184 0247 0066 0238 0400 0585 0117 0187 0391 0193 0379 0102 0077
Digivision	0391	Elbe-Sharp	0546	Europhon	0067 0546 0132 0193 0247 0586 0277 0246		
DigiX	0910	Elcit	0117 0277 0546 0132 0193	Evesham	1278	Flint	0067 0485 0586 0640 0102 0248 0294
DiK	0067 0586	Electroband	0030	Excel	0067 0586	FNR	0132
Dixi	0039 0067 0586 0277 0247 0117	Electrograph	1785	Expert	0236 0289 0193	Force	1179
DK digital	1972	Elekta	0039 0067 0586 0294 0312	Exquisit	0067 0586 0277	Forgestone	0223
DL	0878 0921 0902 0810 0067 0617 0895	Elektra	0047 1691	Fagor	0067 0586	Formenti	0067 0193 0350 0586 0516 0246 0117
DMTECH	1994 1368	Elfunk	1238 1067	FairTec	1221	Formenti-Phoenix	0246 0350
Domeos	0698	ELG	0067 0586	Family Life	0067 0586	Fortress	0123 0117
Domland	0424	Elin	0067 0246 0578 0586 0135 0134 0391 0379 0193 0039	Feilang	0039	Fraba	0067 0586 0400
Dongda	0039			Feilu	0039 0847	Friac	0039 0067 0586 0132 0400 0529 0685 0640
Donghai	0039			Feiyan	0294 0442		
Doric	0379			Feiyue	0039 0847		
				Fenner	0404 0039		

Frontech	0193 0277 0294 0379 0393 0247 0039	Genexxa	0193 0248 0067 0586 0442 0039		0485 1067 0895 1221 0910 1404 1407	helios	0895
Fujimaro	0895	Gericom	0895 1328 1236 1247 0910	Gronic	0132 0247 0193	Hello Kitty	0481
Fujitsu	0236 0713 0102 0216 0132 0839 0883 0247 0193 0039 0382 0067 0586 0391 0289	Gevalt	1401	Grundig	0225 0538 0565 0702 1401 0067 0100 0221 0517 0584 0586 0617 0473 0736 0039 0066 0400 0770 1965 1938 1946 1338 0208 1406	Hema	0247 0039
Fujitsu General	0039 0216 0247 0236 0193	Gibralter	0047 0060			Hemmermann	0379
Fujitsu Siemens	0839 1328 1289	Gintai	0180 0751			Hewlett Packard	1532
Funai	0201 0210 0698 0294 0442	Go Video	0090 0916	Grunkel	1193	Hicon	1497
Furi	0175 0294 0442 0847	Goldfunk	0698	Grunpy	0210	Hifivox	0139 0226
Furichi	0890	Goldhand	0246	H&B	0838	Higashi	0246
Futronic	0294 0825 0890	Goldline	0367	Haaz	0736	Highline	0294 0067 0586
Future	0067 0586	GoldStar	0031 0039 0067 0060 0086 0208 0400 0180 0407 0247 0277 0586 0246 0184 0193 0391 0139 0393 0636 0074 0744 0745	Haier	0728 0294 1064 0809	Hikona	0248
Futuretech	0210			Haihong	0039	Himitsu	0210 0809
G-Luxon	0874			Haiyan	0294 0442 0847	Hinari	0039 0238 0066 0067 0586 0248 0193 0385 0473 0517 0294 1938
Galaxi	0132 0067 0586 0391 0193	Gooding	0517	Halifax	0294 0246 0247	Hisawa	0312 0248 0485 0640 1938 0744
Galaxis	0400 0448 0067 0132 0586	Goodmans	0664 1289 0066 0067 1067 0102 0529 0247 0586 0744 0373 0698 0401 1939 0404 0294 0546 0039 0517 0065 0510 0590 0365 0248 0481 1938 0691 1930 0910 1338 0617 1406	Hallmark	0208	HISense	0878 1393 0238 1344 0039 0175 0186 0538 0778 0783 0851 1200 1238 0810 0586
Galeria	0039			Hammerstein	0294 0090	Hit	0117
Ganxin	0847			Hampton	0246 0247	Hitachi	0175 0193 0255 0208 1255 0039 0086 0379 0608 1175 0066 1075 0386 0060 0074 0180 0135 0138 0503 0373 0226 0122 0247 0139 0186 0187 0224 0546 0102 0216 0511 0529 0067 0538 0586 0578 0393 0749 0664 0774 1067 1167 1200 1286 0522 1511 0077 0391 0542 0510 0827 0659 0767 1606 1179
Gateway	1786 1785	Gorenje	0400	Hanimex	0248 1938		
GBC	0193 0039 0404 0248 0393	GPM	0248	Hankook	0210 0208 0086 0060		
GE	0081 0373 1484 0077 0208 0481 0765 1177 0210 1377 0122 0123 0312 0060 0590 0317 0139 0365 0655	Gradiente	0067 0083 0086 0200 0586	Hanseatic	0067 0350 0586 0391 0529 0549 0379 0193 0691 0322 0312 0424 0664 0400 0039 0247 0117 0407 0744 0838		
Geant Casino	0193	Graetz	0193 0744 0391 0401 0067 0369 0586 1193	Hantarex	0039 0546 0067 0586 0132 0268 0859 1368		
GEC	0067 0193 0391 0102 0379 0247 0546 0586	Gran Prix	0678	Hantor	0067 0586		
Geloso	0039 0277 0393 0193 0404	Granada	0067 0102 0586 0238 0256 0247 0386 0369 0546 0138 0066 0503 0365 0590 0077 0193 0393 0255 0373 0578	Harman/Kardon	0084		
General	0216 0139 0317			Harsper	0895	Hitachi Fujian	0138 0180 0255
General Electric	0077 0373 0317			Harvard	0210	Hitsu	0039 0640 0485 0248
General Technic	0039			Harwa	0803 1226 1299	HMV	0117 0223
Genesis	0039 0067 0586			Harwood	0039 0442 0067 0586 0517	Höher	0744 1586 0895
		Grandin	0067 0312 0586 0039 0193 0640 0744 0745 0698 0404 0350 0248	Hauppauge	0067 0586	Home Electronics	0636
				Havermey	0123	Hongmei	0039 0123 0294 0847 0878
				HCM	0039 0312 0442 0067 0586 0247 0248 0448 0294	Hongyan	0294 0442 0847
				Hedzon	0586 0067		

Hornyphon	0067 0586	Inno Hit	0039 0102 0546 0067	JBL	0084	Kathrein	0586 0067
Hoshai	0248 0485 0312		0586 0248 0247 0277	JCB	0030	Kawa	0401
Hua Tun	0039 0180		0132 0312 1193	JDV	2012	Kawasho	0246
Huafa	0039 0175	Innova	0067	Jean	0066 0751 0039 0081	KB Aristocrat	0193
Huanghaimei	0039	Innovation	0549 0067 0586		0122 0186 0266	KEC	0210
Huanghe	0039 0847	Innowert	0895 1328	JEC	0065	Ken Brown	0266 0493
Huanglong	0039	inotech	0803 0850	Jensen	0847 0845	Kendo	0067 0640 0392 0586
Huangshan	0039 0294 0442 0847	Insignia	1356	Jiahua	0081		0193 0549 0542 0400
Huanyu	0246 0404 0294 0847	Inteq	0047	Jialicai	0039 0294 0442		0407 0393 0441 0132
	0878	Interactive	0067 0586 0117 0542	Jinfeng	0081 0238 0256 0847		0277 0678
Huaqiang	0294 0442		0357 0193 0391 0400	Jinhai	0878	Kenia	0060
Huari	0175 0294 0442		0139 0441	Jinque	0039 0294 0442 0847	Kennedy	0193 0236 0465
Hugoson	0920 1247	Interbuy	0039 0067 0294 0277	Jinta	0039 0294 0442 0878	Kennex	1067
Huodateji	0081		0542 0586	Jinxing	0039 0878 0084 0175	Kenwood	0060 0135
Hygashi	0247 0246	Interfunk	0067 0193 0586 0277		0586 0067 0186 0294	KIC	0247
Hyper	0039 0246 0247 0277		0117 0391 0542 0357		0728 0847 0851	Kingsley	0246
Hypersonic	0391	Internal	0067 0586 0529 0404	JMB	0067 0529 0664 0404	Kiota	0031
Hypson	0067 0294 0586 0312		1939		0586 0473 1938	Kioto	0084 0736 0586
	0744 0745 0247 0485	International	0246	JNC	1994	Kiss	0830
	0268 1938 0698 0516	Intervision	0067 0312 0247 0132	Jocel	0742	Kiton	0586 0067 0698
Hyundai	0067 0879 0895 0586		0485 0294 0401 0407	Jubilee	0586	KLL	0067
	0736 0890 0783 1182		0549 0516 0400 0424	Juhua	0294 0442 0847	Kneissel	0067 0289 0400 0640
	1274 0906 1586		0517 0248 0193 0277	JVC	0493 0683 0083 0084		0441 0404 0529 0586
Iberia	0067 0586		0039 0586		1283 0066 0761 0184		0465 0322 0268 0392
ICE	0247 0294 0067 0401	Irradio	0039 0067 0586 0248		0401 0538 0636 0713	Kobra	1497
	0039 0586 0248 0246		0277 0401	Kaige	0039 0294 0442 0847	Kolin	0180 0083 0210 0138
Ices	0248 0246	IRT	0481 1691 0728	Kaisui	0039 0248 0246 0312		0066
Ict	0067 1167 0586	Isukai	0248 0067 0586 0312		0067 0247 0586 0485	Kolster	0067 0586 0132 0379
IlSonic	1406		0485	Kambrook	0407		0277 0248
Iiyama	1247	ITC	0247 0350	Kamp	0246	Kongque	0039 0294 0847
Imperial	0067 0104 0193 0277	ITS	0067 0401 0248 0312	Kangchong	0878	Konichi	0039
	0400 0448 0586 0441		0294 0246 0039 0586	Kanghua	0926	Konka	0067 0586 0401 0744
	0391 0379 0226	ITT	0193 0391 0510 0379	Kangli	0031 0039 0294 0404		0448 0248 0671 0617
Imperial Crown	0031 0039 0294 0404		0578 0503 0223 0376		0691 0847		0784 0809 0924 0825
	0442 0691	ITT Nokia	0210 0391 0578 0193	Kangyi	0039 0294 0442	Kontakt	0847
Indiana	0067 0586		0503 0510 0379 0376	Kapsch	0193 0391 0236 0289		0517
Infinity	0084		0238 0369 0636 0640		0134	Korpel	0067 0586
InFocus	0766 1194 1236	ITV	0294 0067 0586 0277	Karcher	0067 0586 0400 0640	Korting	0117 0400 0350
Ingelen	0193 0517 0640 0744		0404		0193 0312 0132 0294	Kosmos	0067 0586
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Ingersoll	0039	IX	0907				

Koyoda	0039		1167 0586 0248 0294	Manesth	0067 0247 0586 0294	Melectronic	0039 0376 0067 0542
Kraking	0268		0713 1278		0350 0065 0193 0393		0134 0139 0373 0193
Kreisen	0906 1504	Lihua	0847	Manhattan	0067 0906 0586 1504		0277 0135 0247 0317
KTV	0060 0210 0247	Lloyd's	0031 0039		0698 1067 1297 0193		0404 0510 0522 0246
Kuaile	0039 0294 0442	Lodos	1067 1179		0808		0441 0379 0586 0664
Kuba	0379 0193	Loewe	0542 0663 0820 0067	Marantz	0060 0067 0084 0586	Memorex	0391 0221 0225 0691
Kuba Electronic	0379 0193		0586 0685 0400 0117		0885 0442		0039 0086 0493 0184
Kulun	0039		0322 0392 0546	Marelli	0117		1067 0180 0208 0280
Kunlun	0081 0238 0256 0294	Logik	0031 0041 0090 0728	Mark	0067 0586 0247 0246	Memphis	0367 0102 0039
	0404 0691 0847		0803 0039 0223 0294		0404 0039 0744 0745	Mercury	0031 0067 0039 0586
			0401 0910 1247 1067	Master's	0529 0067	Mermaid	0067
Kyoshu	0442 0448 0294	Logix	0698 0549	Masuda	0248 0401 0039 0294	Merritt	0578 0391 0193
Kyoto	0193 0246 0247	Longjiang	0294 0442 0847		0067 0247 0586	Metronic	0655
L&S Electronic	0895 0744	Luker	2012	Materin	0888	Metz	0418 0565 0477 0776
LaSAT	0516 0400	Luma	0067 0393 0236 0193	Matsui	0039 0067 0041 0586		0397 0117 1193 0225
Lava	1504		0441 0586 0404 0039		0065 0517 0066 0102		0584 0221 0067 0586
Leader	0039		0392 0289		0207 0238 0385 0247		0617 0698 1067
Lecson	0067 0586	Lumatron	0393 0236 0067 0586		0401 0473 0463 0546	MGA	0060 0180 0208 0067
Legend	0039 0367		0392 0193 0289 0391		0393 0485 0193 0379		0586 0248 0134
Lemair	0441		0247 0294 0103		0225 0221 0365 0744		
Lenco	0067 0751 0039 0193	Lux May	0067 0039 0586	Matsushita	1938 1067 0659	Micromaxx	0067 0586 0698 1067
	0404 0586 0134 0617	Luxman	0086		0280 0680		0838
Lenoir	0039	Luxor	0224 0386 1193 0391	Matsuyama	0617	Microstar	0838
Lesa	0277		0393 0510 0522 0379	Maxam	0294	MicroTEK	0850
Levis Austria	0067 0586		0238 0578 0193 0376	Maxdorf	0803	Midland	0047 0077 0081
Lexsor	1226		0503 1067 0247 0661	Maxent	1785 1241	Mikomi	1179
Leyco	0067 0294 0102 0586	LXI	0077 0084 1377 0184	Maxim	2012 1586	Minato	0067 0586
LG	0067 0086 0031 0060		0186 0208	MCE	0039	Minerva	0100 0517 0565 0225
	0208 1208 1355 0400	M&S	0084	Mediator	0067 0586		0584 0221 0546 0138
	0039 0886 0407 1295	Madison	0067 0586	MediaVision	1421		0180
	0586 0247 0744 0246	Magnadyne	0117 0132 0277 0546	Medion	0067 0698 0744 1067	Minoka	0442 0067 0586
	0674 0193 0090 0138		0193		0838 0549 0586 0542	Mirror	1930
	0636 0139 0730 0728	Magnafon	0132 0546 0246 0103		1167 0728 1938 1467	Mistral Electronics	0223
	0745 0859 1667 1176	Magnavox	0067 0084 0216 0586		1930 1278 0275 0910		
	1178 1221 1282 1453		0060 1284 0066 1484		1319	Mitsubishi	0138 0180 0123 0542
Liesenk & Tter	0067 0357 0586		0041 0736 0810	Megapower	0730		0067 0208 1280 0280
Liesenkotter	0067 0357 0586	Magnum	0678 0744 0067 0586	Megas	0640		1186 0117 0266 0866
			0745 1319	Megatron	0175 0208		0066 0210 0184 0086
Lifetec	0067 0039 0549 0404	Mandor	0294	MEI	1067 0067 0586		0223 0565 0060 0586
	0698 0542 0685 1067			Meile	0294 0442 0847 0878		0238 1067 0847
						Mitsuri General	0193

24	TV brand codes	Mivar	0246 0322 0639 0247	
		Monaco	0039	
		Monivision	0730 0873	
		Morgan's	0067 0586	
		Motorola	0123	
		MTC	0060 0090 0379 0542 0391	
		MTlogic	0744 1338	
		Mudan	0039 0081 0294 0442	
		Multibroadcast	0223	
		Multistandard	0132	
		Multitec	0067 0586 1067 1586	
		Multitech	0039 0210 0393 0246 0247 0400 0294	
		Murphy	0134 0246	
		Musikland	0067 0248	
		MyCom	1406 0208	
		Myryad	0586 0067	
		NAD	0186 0896 0391 0193	
		Naiko	0067 2012	
		Nakimura	0404 0067	
		Nanbao	0039 0294	
		Nansheng	0294 0442	
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		NAT	0256	
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Penney	0186 0208 0060 0077		0268 0391 0193 0100	Pye	0067 0586 0117 0584	Rectiligne	0067 0586
	1377 0081 0090 0086		0104 0117 0565		0404 0379 0442	Rediffusion	0391 0578 0066 0376
Perdio	0350 0102 0193 0067	Polytron	0312	Pymi	0039	Redstar	0067 0586
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Philco	0067 0084 0117 0481	Powerpoint	0517 0067 0586 0728	Quadral	0248		1236 1237 1244 1241
	0493 0804 0104 0175	Prandoni-Prince	0277 0546 0391	Quasar	0081 0277 0680 0280		1239 1298 1328
	0060 0448 0086 0277		0393		0895 0039	Reoc	0744 0664 1939
	0586 0193 0400 1691	Precision	0247	Quelle	0041 0067 1535 0100	Revov	0067 0586 0400
	0511 0210 0216 0208	Premier	0039 0294		0104 1040 0134 0391	Rex	0193 0236 0289 0294
	0549 0122	President	0890		0442 0139 0565 0542		0393 0441 0277
Philex	0223 0193	Prima	0847 0039 0294 0845		0584 0379 0221 0066	RFT	0117 0322 0400 0102
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	0081 0039 0230 1276	Profex	0039 0193 0391 0393		0586 0317 0367		0698 0312 1946 1219
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	0350		1406		0086 0184 0208 0210		0247 0742 0246 0617
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Playsonic	0744 0067 0247 0369	Provision	0529 0067 0586 1067		0365 1577 0373 0709	Saige	0039 0847
	0745		0744		0783 1484		

Saisho	0039 0041 0546 0207 0294 0247 0193	Saville	1938	Shanghai	0039 0238 0256 0294 0442 0847 0878		1040 0236 0067 0586 1938
Saivod	0067 2012 0586 1193 0698 0742 1067	SBR	0067 0586 0223	Shaofeng	0175 0847	Skantic	0386
Sakaï	0193	Sceptre	0908	Sharp	0123 0039 0060 1223 0187 0066 0848 1423 0521 0286 0683 0083 0223 0680 0216 0750 0546 0230 0790 1193	Sky	0067 0312 0910 0208 0586
Sakyno	0485	Schaub Lorenz	0379 0391 0578 0744 0636 0516 0404 1221	Shen Ying	0039 0122	SKY Brasil	0910
Salora	0193 0386 0224 0391 0379 0578 0546 0393 0369 0238 0510 0651	Schneider	0067 1167 0248 0277 0586 0401 0549 0698 0379 0424 0382 0289 0373 0247 0391 1067 0193 0678 0744 1939 1938 2012	Shencai	0039 0175 0294 0442	Skygiant	0210
Salsa	0365	Scotch	0208	Sheng Chai	0180 0039 0266	Skymaster	0135
Sambers	0132 0546	Scotland	0193	Sheng Chia	0039 0123 0266	Skysonic	0783
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Samsung	0090 0648 0674 0086 0512 0617 0796 0067 0208 0844 0060 0586 1342 0732 0804 1279 1425 0039 0123 1265 0247 0400 0120 0294 0184 0180 0122 0246 0102 0238 0186 0549 0193 0256 0655 0842 0847 0851 1090	Sears	0077 0201 0084 0186 0086 0184 0208	Sherwood	0039	Sliding	0895 0910 1404 1407 0830
		Seaway	0664	Shintoshi	0067 0586	SLX	0698
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		SEG	0066 0067 0247 0586 0294 1067 0698 1467 0517 0039 0379 0193 0664 0132 0277 0392 0246 1193 0248 1939	Show	0448 0039 0102	Soemtron	0895 1328
		SEI	0117 0132 0207 0546 1535 1040 0193 0379 0236 0067 0586	Siam	0067 0586	Sogera	0350
Sandra	0246 0247	Sei-Sinudyne	0132 0236 0546 1535 1040 0067 0586 0117	Siarem	0132 0546 0193 0117	Solavox	0193 0391 0102 0578 0067 0586
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Sansei	0122 0481	Semp	0186 1386	Siesta	0400	Songba	0039
Sansui	0067 0685 0759 0586 0736 0401 0757 0891 0493 0632 0485 0918 0783 1401	Sencora	0039	Signature	0084	Soniko	0067 0586
Santon	0039	Sentra	0065 0248 0039 0379	Signet	0830 0874	Soniq	1497
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Save	0067 0586	Shancha	0294 0442 0847	Silver	0066 0067 0485 0391 0586 0745 0193	Sonoko	0039 0067 0586 0294 0312 0247
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				Simpson	0216	Sontec	0067 0586 0400 0039
				Singer	0039 1567 0117 0067 0586 0132 0277 0465 0365 0193	Sony	0030 1535 0104 1681 0041 0840 1040 0066 0083 0680 1130 1781 0383 0864 0132 0067 0586 0187
				Sinotec	0803	Sound & Vision	0132 0248 0404 0067 0586
				Sinudyne	0132 0207 0117 0546 0193 0391 0379 1535	Soundesign	0208 0210 0216

Soundwave	0067 0448 0586 0350 0745	Supreme	0030		0379 0200 0744 1179 1785	Telefusion	0067 0586
Sowa	0090 0256 0180 0066 0081 0122 0208 0186	Susumu	0248 0365 0317	TEC	0247 0277 0039 0365 0367 0289 0067 0586 0391 0193	Telegazi	0067 0193 0289 0248 0294 0586
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Spectra	0039	SVA	0617 0900 0778 0901 0895 0902	Tech Line	0067 0586 0698 1467 1193	Telesonic	0067 0586
Squareview	0201	Svasa	0835			Telestar	0039 0067 0586 0442
Ssangyong	0039	Swissline	0277	Tech Lux	1219	Teletech	0039 0067 0586 0698 0277 0367 1067
SSS	0210	Sydney	0246 0247	Techica	0248	Teleton	0066 0247 0216 0236 0193 0379 0289 0393
Staksonic	0039	Sylvania	0084 0216 0060 0201	Technema	0350	Televideon	0350 0193 0246
Standard	0039 0067 0247 0586 0248 1067 0350 0404	Symphonic	0201 0210	Technica	2012	Televue	0067 0586
Starlite	0039 0210 0193 0067 0586 0294 0442	Synco	0030 0066 0090 0122 0123 0208 0481	Technics	0081 0280 1377 0680	Telexa	0132
Stenway	0312 0248	Syntax	1361	TechniSat	0685 0067 0586 0193 1297	Tempest	0039 0067 0586 0294
Stern	0193 0236 0289 0393 0294 0441 0465	Sysline	0067 0586	Technisson	0744 1319	Tennessee	0067 0586
Stevison	2012 1586	Sytong	0246	Technosonic	0067 0586	Tensai	0134 0248 0350 0067 0586 0247 0039 0135 0404 0401 0407 0277 0745 0193 1067
Strato	0067 0586 0294 0039	T+A	0477	Techwood	1193 0081 0086	Tenson	0350 0039
Strong	1193 1179 1067 0067 0586	Tacico	0208 0180 0122 0039	Technimagen	0586	Tera	0060
Studio Experience	0873	Tai Yi	0039 0180	Teco	0039 0066 0081 0122 0123 0208 0248 0294 0683	Tesla	0067
Stylandia	0247	Taishan	0039 0404 0847	Tedelex	0247 0448 0636 1567 0039 0736 0238 0728 0617 0921 0067 0586	Tevion	0549 0924 1289 1328 0067 1586 0586 0797 0678 0698 1167 0744 1067 1278 1319
Sunic Line	0067 0586	Tandberg	0397 0441 0139 0367 0226 0392 0391 0193	Teiron	0039	Texet	0246 0247 0248 0404 0039
Sunkai	0351 0385 0485 0248 0640 0067 0586 0517 0895	Tandy	0248 0102 0123 0247 0193 0277	Tek	0825	Thomson	0139 0655 0317 0590 0373 0365 0226 0067 0586 0520 1477 0379
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Sunwood	0067 0586 0039	Tatung	1586 0039 0066 0067 0586 0081 0102 0084 0546 0090 0247 0184 0186 0041 0659 0583 0651 1938 1186 1786 1401 1284 1289 1221	Teleavia	0139 0373 0317 0226 0520		
Superla	0546 0246 0247			Telecor	0067 0586 0193 0248 0247 0289 0424		
SuperScan	0123	TCL	0757 0856 0442 0728	Telefunken	0086 0655 0104 0590 0732 0139 0617 0365 0728 0373 0742 0528 0850 0926 0784 0317 0131 0103 0226 0067 0586 0516 0744 0520 1586		
Supersonic	0238 0586 0728 0294 0835 0485	TCM	0744 1319				
SuperTech	0039 0246 0067 0586 0248	Teac	0039 0728 0067 0542 0294 0312 1467 0442 1067 0448 0586 0485 0742 0698 0247 0736 0751 1939 0208 0201				
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Tiane	0123 0847	Triad	0067 0586 0248	Victor	0083 0683 0066 0280	Welltech	0744
Tiny	1226 1299	Trical	0187		0680	Weltblick	0067 0586 0350 0247
Tiny Digital	0690	Trident	0546 0247	Videocon	0538	Westinghouse	0919 0920 1312 0915
TMK	0086 0207 0208	Tristar	0294 0248 0223	Videologic	0248 0246	Weston	0067 0586
TNCi	0047	Triumph	0207 0546 0376 0586	Videologique	0246 0248 0247	Wharfedale	0067 0891 0549 0926
Tobishi	0248		0067	Videosat	0277		0586 1586
Tobo	0039 0294 0442 0778	Tsoschi	0312	VideoSystem	0067 0586	White Westinghouse	
Tokai	0102 0067 0586 0367	Tuntex	0039 0060 0122	Videotechnic	0246 0247 0350 0404		0067 0350 0653 0216
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Tokyo	0246 0065		0404 0448 0516 0400	Viewpia	0906	Windstar	0312 0367
Tomashi	0312 0248		0289 0510	ViewSonic	0887 1785 1360 1372	Windy Sam	0586
Tongguang	0294 0442	Ultravox	0117 0132 0404 0277	Viore	1237	Wintel	0744
Tongtel	0810 0617		0246 0193 0067 0586	Viper	0367	World-of-Vision	0910 0920 0895
Tophouse	0210 0702	Unic Line	0067 0586 0503 0485	Visiola	0246		1319 1328 0907
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Toshiba	0186 0538 1286 0090	United	0067 0586 0744 0745	Vistar	0236 0391	Wyse	1395
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Toyoda	0039 0401 0294	Univox	0067 0586 0367 0117		0586 0193 0039 0698	XLogic	0728 0890
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TRANS-continents			1247	Wega	0186	Yamaha	0680 0799 0060 0827
	0651 1404 1407 0895	Vector Research	0060	Wegavox	0066 0067 0586 0117	Yamishi	0312 0485 0248 0067
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Transtec	0246						

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 Zanela 0268
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 Zhuhai 0039 0404
 Zonda 0809 0728
 ZX 1938

DVD

DVD
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 A-Trend 0744
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 Acoustic Solutions
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Akashi 0868
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 Best Buy 0887
 Binatone 1953
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 Centrex 0702 1034 1945
 Centrum 0743 0819 0809 0923
 2024 1035 1953
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 Cinea 0871
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 Cinetec 0743 0902
 cineULTRA 0729
 CineVision 0906 0899 0863
 Classic 0760 1947 1760
 Clatronic 0818 0809 0848 0702
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 Clayton 0743
 Coby 1137 0760 1195
 Codex 1263
 Compacks 0856 1396
 Conia 0882 0546 0865 0702
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 Contel 0818
 Continental Edison
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 Craig 0861
 CrossWood 1183 1476
 Crown 0800 0799 0681 0720
 Crypto 1258
 Cybercom 0861
 CyberHome 0744 0846 1053 1147
 0904 1054 1159 1532
 Cytron 0746 0681 0735 0861
 1377

D-Vision	1145 1397	DSE	1760 0863 1182 1425 1859	Fisher	0700 1949	HDT	0735
Daeniyx	0902	Dual	0861 0743 0695 0681 0760 0813 0809 0820 2037 1053	Funai	0725 0705	HE	0760 1953 1193
Daewoo	0800 0814 0862 0863 0899 1513 0735 0744 1948 1466 0902 1171 1871	Durabrand	1033 0861 0743	Gateway	1188	Henß	0743
Dalton	1066	DVD2000	0551	GE	0747 0845	HiMAX	0887 0873
Dansai	0800 0813 1145 1725	DVX	0798 1862	General Electric	0747	Hitachi	0694 0725 0809 1949 1694 1950 1277 2024 0695 0603 0887 0743
Dantax	0753 0725	E-Boda	0753	Germatic	1081	Hiteker	0702
Daytek	0902 1035	E-Dem	1254	Giec	1251	Höher	0856 0861 1034 1254
Dayton	0902	e:max	1263 1351 1673	Global Link	1254	Home Electronics	0760 0800
DCE	0861	EagleTec	0744	Global Solutions	0798	Home Tech Industries	1254
DEC	0729 0848	Easy Home	0887	Global Sphère	0798 2051	Hyundai	0813 0880 1186 1258 1690 2051 2076
Decca	0800	eBench	1182	Go Video	0813 0774 1074 1188 0899 1473 1105 0863	ICP	1183
Denon	0520 0664 1664	Eclipse	0753 0781	GoldStar	0621 0771	Ilekei	1137
Denver	0729 0818 0928 0848 1113 1137 1346 1351 1445 1450 1480 1953 1086 1871 1295 0702	Ecron	1445	Goodmans	0743 1034 0753 0781 0813 0760 0681 0820 0720 0848 0909 0863 2037 2044 1251 1170 1284 1953 1760	iLo	1378
Denzel	0695	Electrohome	0800 0814	GoWell	1673	Ingelen	0818
Diamond	0681 0798 0781 0753 1186 0820	Elfunk	0880 0914 0743	GP Audio	1170	Initial	0869
Digihome	0743	Elin	0800	GPX	0681 0799 0729	Inno Hit	0743
DigiLogic	0743	Ellion	0880 1451	Gradiente	0681	Integra	0657
digiRED	0747	Elta	0720 0800 0818 0820 1145 1181 1140 1263 1081 1203 1689	Graetz	0695	Irradio	0771 1145 1254 1263 1924 0899 0800
Digital i	0923	Eltax	1349 1350 1351	Gran Prix	0861	IRT	0813
Digitech	1862	Emerson	0621 0705 0851 0735 1298 0899	Grandin	0746 1284 0702 1203	ISP	0725
Digiton	0720 1035	Energy Sistem	1380 1543	Greenhill	0747	Jaton	0695
Digitrex	0702 1945 1086 1034	Enterprise	0621	Grundig	0725 0735 0805 0569 0681 0820 0743 0700 0716 0753 1725 2076 1034 1760 1950 1466 1513 1380 1862	JBL	0732 1951
DigiX	1859	Enzer	0695 0814			JDB	0760
Digix Media	0856 1302	EuroLine	0818 1145 1113 2051 1263 1914 0705			JDV	1397 1258
DiK	0861	Eurostar	1425	Grunkel	0800 1186 1346 0861	Jeken	0729
Dinamic	0818	Fenner	1425	H&B	0848 0743 0871 0880 1263 1451 1924	Jepssen	1280 1213
DiViDo	0735	Ferguson	0681 1760 0928 0743 0914	Haaz	0798 0781	JMB	0725
DK digital	0861 1140 1276 1284 2037 1690	Finlux	0771 0800 0621 0813 0702 0781 1177 1195 1914	Haier	0873 1120	JNC	0702 1301
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Kingavon	0848	Magnavox	0533 0705 0848 1170	Minix	1143	Okano	0782
Kiss	0871 0695		2006 0569 0851 0743	Minoka	0800 1145	Omni	0776 0720 0729 0863
KLH	0820 0845	Magnex	0753 1195 1519	Minowa	1195		1134 1368 1862 2028
KLH Digital	0747	Magnum	2044	Mintek	0747 0869		1258
Koda	0848 1260	Majestic	1137 1375 1186	Mirror	0909 0782	Onix	0868
Konka	0749 0750	Manhattan	0735 0743	Mitsubishi	0551 0743 1551	Onkyo	0657 0533 2015 1954
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	0743 0861 1195 1543	Maxdorf	0818	Mustek	0760 1760 1947		1263 1449 0928
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Pioneer	0601 0661 1995 0662 0555 0668 1601	Revoy	0729 0871	Schneider	0813 0861 0809 0569 0735 0834 0818 0743 0681 0899 0820 1183 1914 1397 0676	Sonashi	0746 0861
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Specification

(Multiple standards)

AmiNET130

Physical specifications

Weight	480g (16.9oz)
Dimensions (including rear connectors but excluding base)	(approximately) 108mm (4.25") deep, 180mm (7.09") wide, 40mm (1.57") high
Operating Temperature	0°C (32°F) to 40°C (104°F)
Storage Humidity	5% ~ 95% RH (non-condensing)

RF Modulator

RF Input connector	75Ω F Connector
Output channel	VHF channel 3 or 4 (US) UHF channel 21 to 68 (EU) UHF channels 1 or 2 (Japan)
TV standard	PAL/NTSC standard definition
RF output connector	75Ω F Connector

Ethernet Interface

Ethernet connector	RJ-45 shielded connector
Cabling	UTP and STP Cat 5
Speed	Auto sensing 10/100Mbit/s
Indicators	Green LED - Link, Yellow LED - Activity

USB Interface

Type	USB 2.0
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Analogue Audio

Audio Connectors	RCA, White = Left channel, Red = Right channel
Output	2v RMS nominal
Impedance	10kΩ

Smart Card

Type	ISO 77816 parts 1, 2 & 3
Voltages supported	3.3v and 5v cards

Digital Audio Interface

Type	S/P-DIF optical output to IEC 60958
Connector	TOSLINK connector
Impedance	75Ω
Output	0.4Vpp .. 0.6Vpp, <0.05Vdc (75ohm terminated)

Power Interface

Connector	DC10B 2.1mm x 5.5mm
Type	DC power socket, centre positive
Input	5V ± 10%
Power	Less than 8W typical usage

Transport stream decoding

MPEG	MPEG-2 ISO/IEC 13818
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Transport Stream Specification

Profile	MPEG-4 pt10/H.264 MPEG-4 pt2 MPEG-2 pt2
Aspect Ratio	4:3, 16:9
Video Resolution	High Definition (1920 x 1080i or 1220 x 720p) NTSC (720 x 480i), PAL (720 x 576i)
Graphics Resolution	1280 x 720 (720p) for High Definition, 640 x 480 (525 line) NTSC or 640 x 576 (625 line) PAL, 15-bit RGB color, Alpha blending
Audio Decoding	Dolby Digital (AC-3), MPEG-1 layers I and II, MPEG-4 low complexity AAC, 16-bit PCM

Video Cables

Composite Video Interface

Type	Composite Video
Connector	RCA (Yellow)
Output	1Vp-p

S-Video

Type	Y/C (separate Luminance and Chrominance)
Connector	4-pin Mini-DIN
Output	1Vp-p

Component Video

Type	Separate Luminance and Red and Blue color difference signals
Connectors	3 x RCA, Green = Y, Red = Pr, Blue =Pb
Output	1Vp-p

External Power Supply

Specification

Type	High-efficiency switch-mode
Input	100~240V AC, 50~60Hz, 0.2A Max
Output	5V DC, 7.5W, 1.5A
Weight (not including mains cable and plug) (approximate)	156g (5.5oz)
Dimensions (approximate)	77mm (3.0") long 33mm (1.3") high 47mm (1.9") wide

Packaging

Specification

Type	Cardboard Printed Gift-Pack
Weight (includes power supply, US mains lead, Amino Remote control and all leads)	1.4kg (49.4oz)
Dimensions (approximate)	70mm (2.8") high, 296mm (11.7") wide, 261mm (10.3") deep

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