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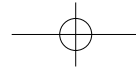
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Version 1.0

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AmiNET125 Installation Guide





Thank you for choosing the Amino AmiNET125 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 AmiNET125. Please keep this installation guide close to your AmiNET125 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 AmiNET125. 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 AmiNET125 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.

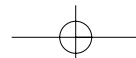
The AmiNET125 has tamper-evident seals. Breaking or modifying these seals in any manner will immediately invalidate the product warranty.

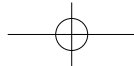
Cleaning

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 AmiNET125 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 AmiNET125 must be handled with care and must not be dropped, shaken or exposed to any physical shock.

The AmiNET125 is designed to be mounted either horizontally or vertically on a hard flat surface.

Do not place the AmiNET125 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 AmiNET125 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 AmiNET125 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 AmiNET125 where it may be exposed to direct sunlight or radiant, convected or conducted heat from an open fire or radiator.

The AmiNET125 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 AmiNET125.

Do not cover the AmiNET125.

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 AmiNET125 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 AmiNET125 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 AmiNET125 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 AmiNET125 and power supply will get warm to the touch when in use. If the AmiNET125, power supply or attachments become hot to the touch, immediately unplug the AmiNET125 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 AmiNET125 but a limitation of the display device. Amino

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

Intent of use

The AmiNET125 is intended for the reception and recording of TV picture and sound signals. Any other application is expressly prohibited.

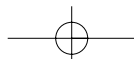
It is intended by Amino Communications Limited that this AmiNET125 be used in full compliance of all copyright laws of the United States. It is the users responsibility to comply with such laws. Unauthorized recording of copyrighted material or providing copies of such programs to others may, in certain circumstances, violate copyright law and prior permission from the copyright owners may be required for certain public performances and certain commercial uses.

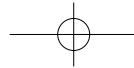
Software updates

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 AmiNET125 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 AmiNET125 will immediately start updating itself with the latest operating software. While the software is updating it is important that the AmiNET125 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 AminET125, 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.

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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

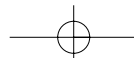
You acknowledge and agree that none of the software or underlying information or technology may be downloaded or otherwise exported or re-

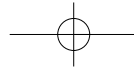
exported: a) into (or to a national or resident of) Angola, Cuba, Iran, Iraq, Libya, North Korea, Sudan, Syria, or any other country to which the US has embargoed goods; or any one on the US Treasury Department's list of Specially Designated Nationals or the US Commerce Department's Table of Denial Orders. 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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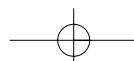
Specification

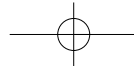
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Preface





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 AmiNET125 IP STB is offered through your service provider. In the case of your AmiNET125 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.

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: Buckingham Business Park, Anderson Road, Swavesey, Cambridge, Cambridgeshire, CB4 5UQ, United Kingdom.

Safety

Product:

AmiNET125 IP Set-Top Box

Rating:

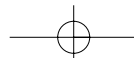
5VDC, 1.2A, Class III

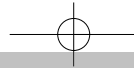
Conformity:

IEC 60065:2001
CAN/CSA-C22.2 No. 60065-03
UL 6500
AS/NZS 60065:2003

WEEE Directive (2002/96/EC)

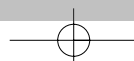
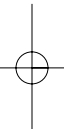
The AmiNET125 is in compliance with the WEEE Directive.





Introduction

Describes the features provided by your AmiNET125 set-top box.





About your AmiNET125

Welcome to the AmiNET125, a stylish set top box which enables you to receive live TV and movies over your digital TV service.

You control all the functions of the AmiNET125 using the Amino infra-red remote control in conjunction with on-screen menus provided by your service provider.

Controlling TV

The AmiNET125 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 insert a viewing card

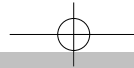
Do not insert or remove a viewing card until prompted by the on-screen display, or you may damage the card.

- Insert the card fully into the slot on the front panel on the AmiNET125 with the gold coloured pads facing down and away from you.

Getting started

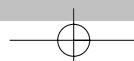
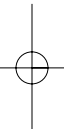
Please refer to the next chapter for information about unpacking and connecting up your AmiNET125.

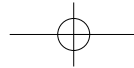
Alternatively, if your AmiNET125 has already been set up for you by your provider, see *Using the Amino remote control with your AmiNET125*, page 11, for information about using your product.



Setting up the AmiNET125

Explains how to unpack your AmiNET125 and connect it to your TV, and the other equipment in your audio and video system.





Unpacking the AmiNET125

The AmiNET125 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 AmiNET125 is supplied with the following accessories:

Setting up the AmiNET125

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Power supply for
AmiNET125



3 x AAA batteries for
remote control*



Video lead

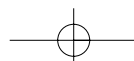


Amino remote control*

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

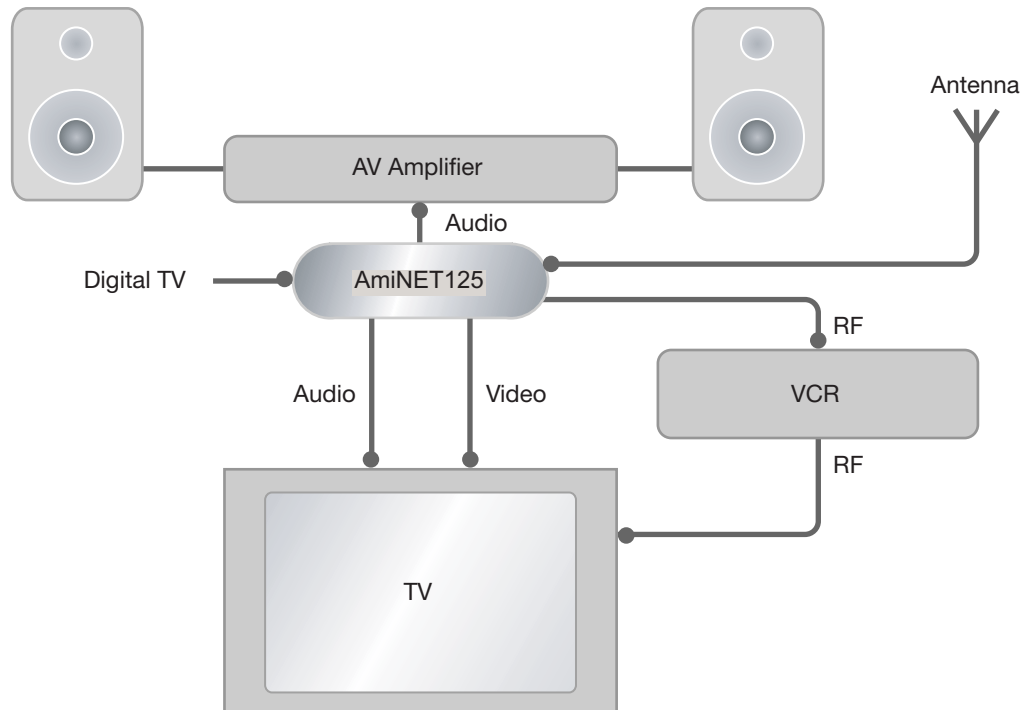
If any of these accessories are missing please contact your service provider.

The front window of the AmiNET125 is protected with a clear plastic film, and this should be removed and disposed of before using the product.



Connecting up the AmiNET125

The following diagram shows how to connect up your AmiNET125 in a typical installation including a TV, VCR, and AV amplifier:



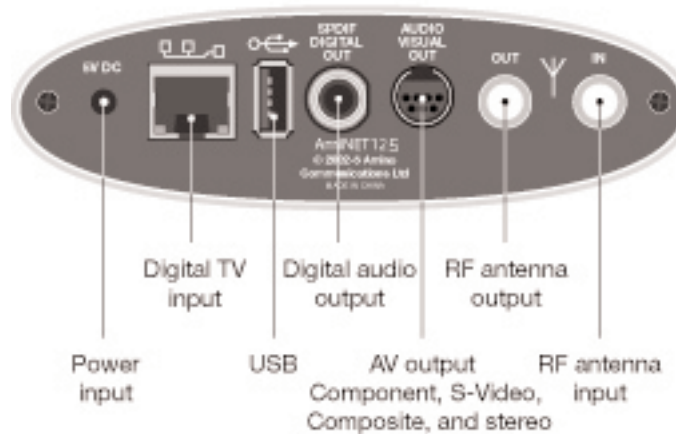
Warning!

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 AmiNET125 directly to the input of your TV.

If your system does not include an AV amplifier leave the digital output of the AmiNET125 unconnected.

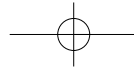
Back panel connections



The following sections give more detailed information about connecting the AmiNET125 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 AmiNET125.
- Connect the RF antenna OUT connector on the back of the AmiNET125 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 video

The AmiNET125 provides the following video outputs:

- Component Video (Y, Pr, Pb), which gives the best picture quality.
- RGB SCART is used primarily in Europe and provides equivalent quality to Component
- 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.

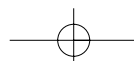
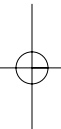
- Your Service Provider will supply a SCART, Component or combined S-Video/Composite cable with the AmiNET125. If your TV has different inputs from the lead supplied, please contact your Service Provider for an alternative.
- If your television only provides an RF input the AmiNET125 will deliver a good picture on the appropriate TV channel, as selected on the AmiNET125 Setup screen. The RF connection also supplies the audio, so a separate audio connection is not required.

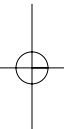
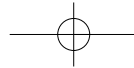
Connecting audio

The AmiNET125 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 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.





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Setting up the AmiNET125

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

- Connect the digital audio output from the AmiNET125 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 to the digital TV network

The AmiNET125 can receive 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 AmiNET125.

Connecting power

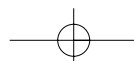
The AmiNET125 is provided with a low voltage power supply.

- Connect the power lead from the power supply to the power input of the AmiNET125.
- Connect the mains power to your TV, video recorder, AmiNET125 power supply (using the supplied lead), and AV amplifier.



Caution!

After unpacking the AmiNET125 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.

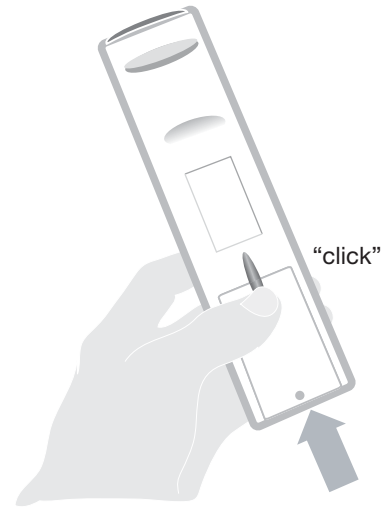
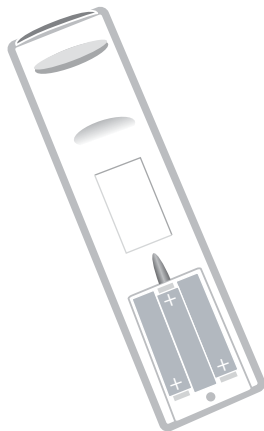
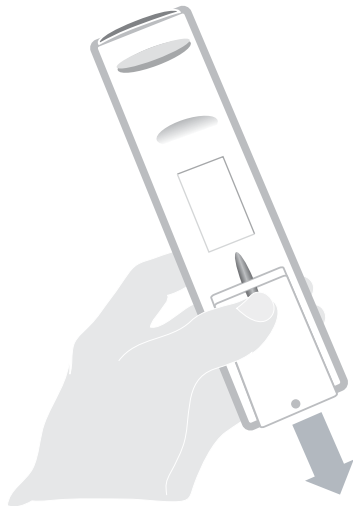
The front window of the remote control is covered with a protective clear plastic film, which should be removed and disposed of prior to use.

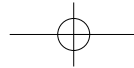
Inserting batteries

The remote control requires three 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 recess and sliding the cover downwards:
- Insert the batteries, taking care to observe the correct polarity:
- Replace the battery cover by sliding the cover upwards until it clicks into place:





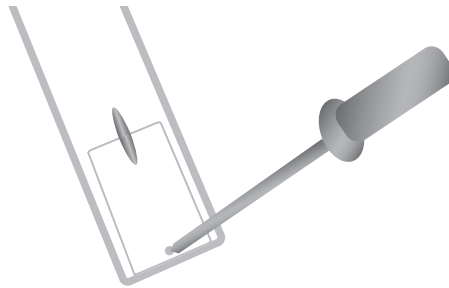
10

Setting up the AminET125

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.

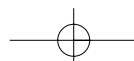
Please respect your environment and any local regulations and dispose of old batteries in a responsible manner.

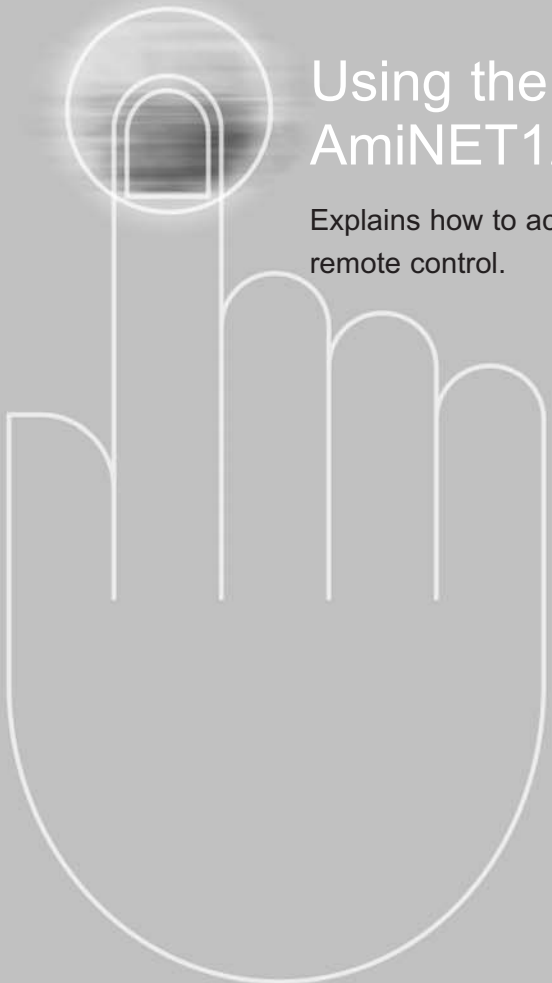
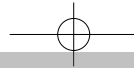


Caution!

Do not attempt to recharge the batteries.

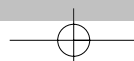
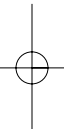
Immediately remove any leaking batteries. Take care when handling leaking batteries as they may cause burns to the skin or eyes, or other physical injuries.

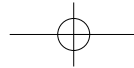




Using the Amino remote control with your AmiNET125

Explains how to access all the features of your AmiNET125 using the Amino remote control.





Using the remote control with your AmiNET125

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Controlling the AmiNET125

To control the AmiNET125 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.

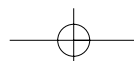
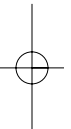
When any valid function button on the remote is pressed, the **STB** button will light to indicate that a command is being transmitted in STB mode.

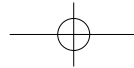
Switching on or off

To turn the AmiNET125 on or off:

- Press the power button on the Amino remote control.

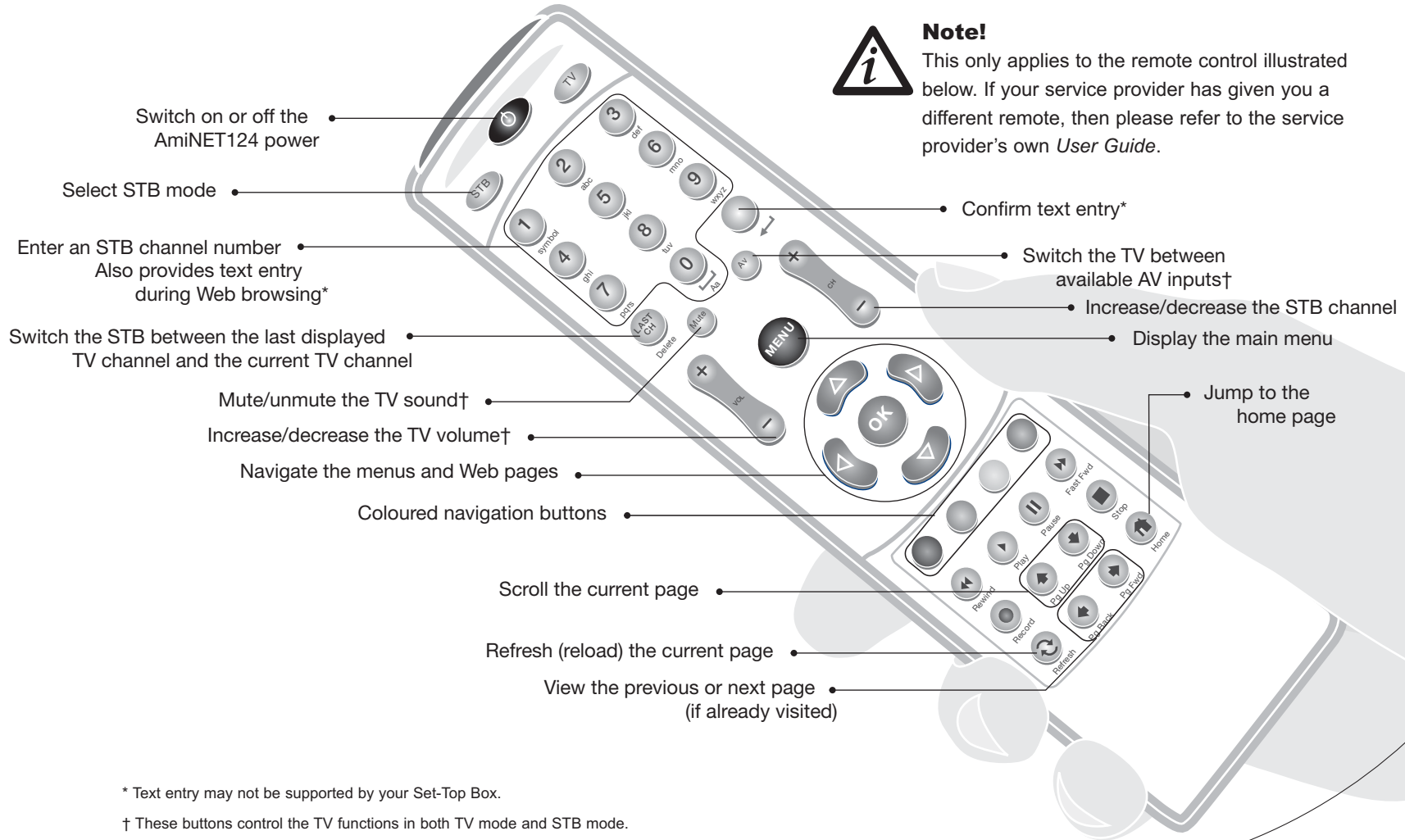
The red light on the front of the AmiNET125 illuminates to indicate power on.



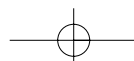


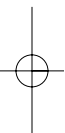
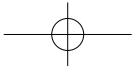
Using the remote to control the AmiNET125

In Set-Top Box (STB) mode, the remote can control the following functions of the AmiNET125:



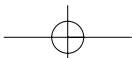
Using the remote control with your AmiNET125

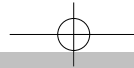




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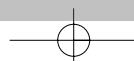
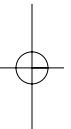
Using the remote control with your AmiNET125





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 three-digit 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.
- Simultaneously press and hold the **TV** and **OK** buttons on the remote.

After approximately two seconds, the **TV** button will light.

- Release the **TV** and **OK** buttons.

The TV button remains illuminated.

- Enter the three-digit brand code according to the make of the TV that is being controlled.

As each of the digits are entered, the **TV** button will briefly flash off and on again

When the third digit has been entered, the **TV** button will go out.

If a TV brand code has been entered that the remote does not recognize, the **TV** button will flash rapidly for a second and remain illuminated. If this happens: re-enter the correct TV brand code.

- Verify that the remote control works with the TV.

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.

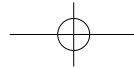
If no brand code is listed for the TV, try brand codes for Philips and NEC TVs.

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

Controlling a TV

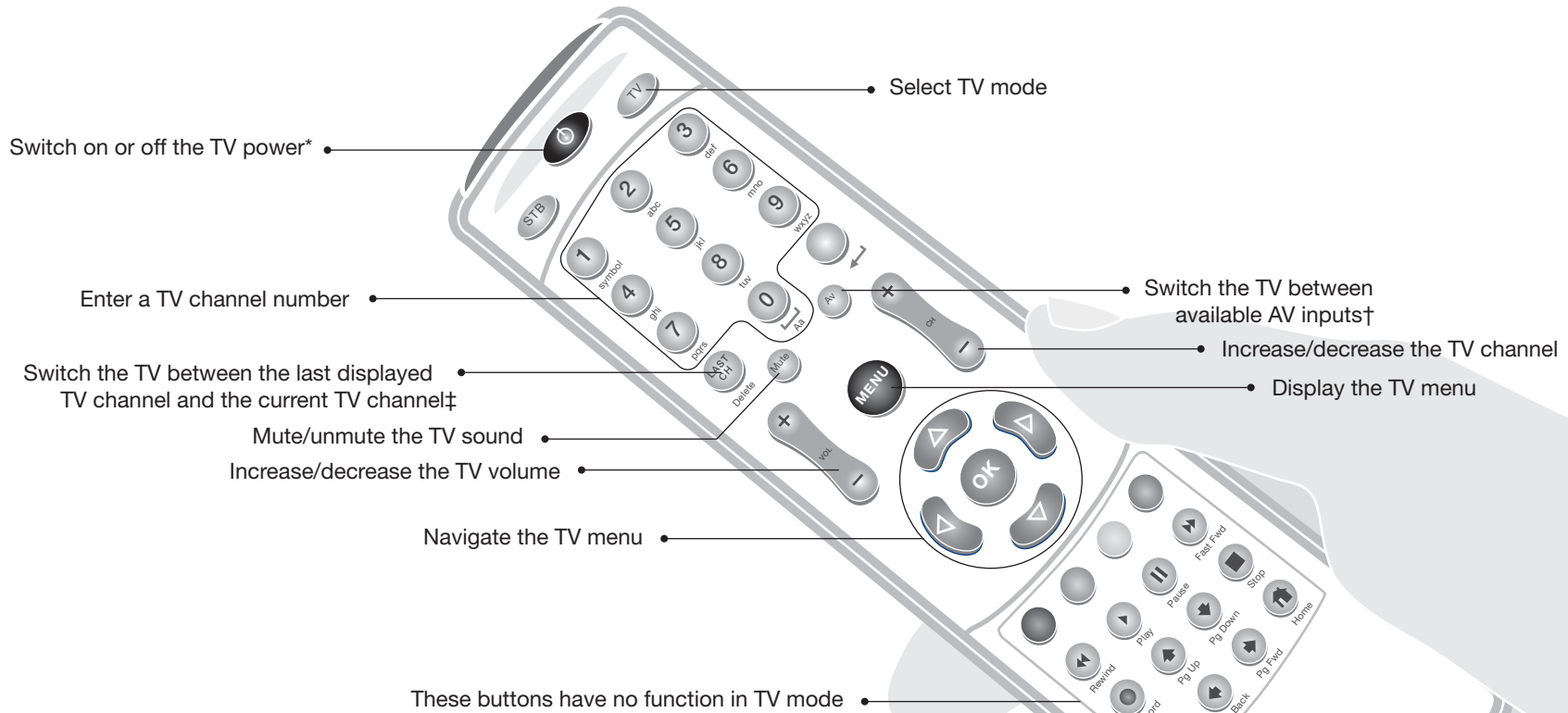
To control the TV press the **TV** button on the remote control. The **TV** mode-select button will light for one second to indicate that the mode has been set.

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:



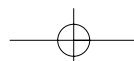
* All TVs will power off with this button. Some TVs will switch on when the power button is next pressed and other TVs will only power on when a channel button or channel +/- is pressed.

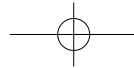
† Some TVs will cycle through available AV inputs using the Channel +/- button. Other TVs only use the AV button to access the AV inputs.

‡ Not all TVs support this function.

§ Some TVs use the menu, navigation and OK buttons to access settings that are not commonly changed (Closed-caption display, for example). Not all TVs support this function.

Using the remote control with your TV





TV brand codes

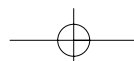
Americas & APAC

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AIKO	105, 112, 197
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ELECTRON	094
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GEC	027, 100
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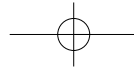


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				WARDS	010, 036, 041, 045, 054, 058, 059, 060, 061, 077, 078, 079, 086, 097, 099, 103, 109, 111, 177, 213, 215, 217	ベスト(型式)	132
				WATSON	100	25M010	
						ベスト(型式)	147
						D25AV10	
						ベスト(型式)	147

EMEA

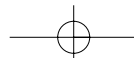
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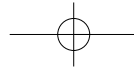


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TV brand codes

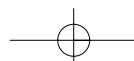
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TV brand codes



Specification

(Multiple standards)

AminET125

Physical specifications

Weight	280g (9.9oz)
Dimensions (including rear connectors but excluding base)	(approximately) 110mm (4.33") long, 115mm (4.53") wide, 38mm (1.50") high
Operating Temperature	0°C (32°F) to 40°C (104°F)
Storage Humidity	5% ~ 95% RH (non-condensing)

RF Modulator

RF Input connector	75 ohm 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
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RF output connector	75 ohm F Connector
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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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Smart Card

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

Digital Audio Interface

Type	S/P DIF electrical to IEC 61937
Connector	RCA (Black)

Impedance	75 ohm
Output	0.4Vpp .. 0.6Vpp, <0.05Vdc (75ohm terminated)

Power Interface

Connector	DC10B 2.5mm x 5.5mm
Type	DC power socket, centre positive
Input	5V
Power	Max 6W

Transport Stream System

MPEG	MPEG-2 ISO/IEC 13818-1
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Transport Stream Decoders

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

Audio Connectors (except SCART)	RCA, White = Left channel, Red = Right channel
Output	2v RMS nominal
Impedance	10k ohm

Video Cables

Composite Video Interface

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

SCART

Type	Separate Red, Green, Blue signals. L, R Audio & Composite video also provided
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Connector	21 PIN
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	5.2V DC, 1.2A

Packaging

Specification

Type	Cardboard Printed Gift-Pack
Weight (includes power supply, US mains lead, Amino Remote control and all leads)	910g (32.1oz)
Dimensions (approximate)	70mm (2.6") high, 310mm (12.2") wide, 205mm (8.0") deep

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