

AmiNET500 Installation Guide



Thank you for choosing the Amino AmiNET500 Personal Video Recorder (PVR)

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 AmiNET500. Please keep this installation guide close to your AmiNET500 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 AmiNET500. 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 AmiNET500 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 AmiNET500 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 AmiNET500 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 AmiNET500 must be handled with care and must not be dropped, shaken or exposed to any physical shock.

The AmiNET500 is designed to be mounted horizontally on a hard flat surface so that the base of the product is held above the mounting surface on the four plastic feet.

Do not place the AmiNET500 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 manufacturers warranty.

It is very important that the AmiNET500 is not moved or shaken during operation otherwise loss of recorded content or permanent damage to the product may occur.

Do not place the AmiNET500 on any surface that may be damaged by contact with the plastic feet of the product.

Openings in the base and rear panel of the AmiNET500 are required for ventilation. Do not block or obstruct the airflow through these openings.

Do not insert any object into the ventilation openings of the AmiNET500.

Do not operate the AmiNET500 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 AmiNET500 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 AmiNET500 where it may be exposed to direct sunlight or radiant, convected or conducted heat from an open fire or radiator.

The AmiNET500 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 AmiNET500.

Do not cover the AmiNET500.

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 AmiNET500 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 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 AmiNET500 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.

Viewing Card

The only object that may be inserted into the AmiNET500 is a Viewing Card, which, if required, may be supplied by your service operator. The viewing card must only be inserted into the viewing card slot in the front panel on the AmiNET500 and must only be inserted when the on-screen prompt requests you to do so. Inserting viewing cards other than those provided by your service provider may be detrimental to the life or performance of the product and will immediately invalidate any product warranty.

Operation

The AmiNET500 and power supply will get warm to the touch when in use. If the AmiNET500, power supply or attachments become hot to the touch, immediately unplug the AmiNET500 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 AmiNET500 but a limitation of the display device. Amino Communications Limited will not be held liable for damage thus caused.

Intent of use

The AmiNET500 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 AmiNET500 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 AmiNET500 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 AmiNET500 will immediately start updating itself with the latest operating software. While the software is updating it is important that the AmiNET500 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 AmiNET500, 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 party 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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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 AmiNET500 IP PVR is offered through your service provider. In the case of your AmiNET500 requiring servicing, please contact your service provider directly.

Trademarks

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

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Irdeto is the trademark of Mindport BV.

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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 information based on CSA rules:

Certificate of Compliance, CSA Certificate 1595206, Date issued: 2004/09/15

Products

Class 4871 83 – Telecommunication Equipment - (CSA 60950-00/UL 60950 – Third edition NRTL program) Certified to U.S. Standards

Class 4871 03 - Telecommunication Equipment - (CSA 60950-00)

IP Set-Top-Box with PVR (Personal Video Recorder), Model AmiNET500, rated 12V dc, 3.0A Class III

Applicable Requirements

CAN/CSA-C22.2 No 60950-1-3- Information Technology Equipment - Safety - Part 1: General

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)





Introduction

Describes the features provided by your AmiNET500 personal video recorder.



About your AmiNET500

Welcome to the AmiNET500, a stylish personal video recorder (PVR) which enables you to receive live TV and movies over your digital TV service, and record up to 40 hours of video on the integrated 80GB hard disk recorder.

You control all the functions of the AmiNET500 using the Amino infra-red remote control in conjunction with on-screen menus provided by your service provider.

Controlling TV

The AmiNET500 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.

While you are viewing live TV you can take advantage of the AmiNET500's built-in hard disk recorder to time shift, pause, or trick-play the live material.

Recording TV

The AmiNET500 also replaces your VCR, allowing you to record up to 40 hours of movies or live TV. Depending on the features offered by your service provider, you can schedule the recording of up to two TV channels simultaneously.

Using on-screen menus you can then browse through your recorded material and play back recordings of your choice, with full control over the playback, including pause, multi-speed fast forward, multi-speed rewind, and slow motion.

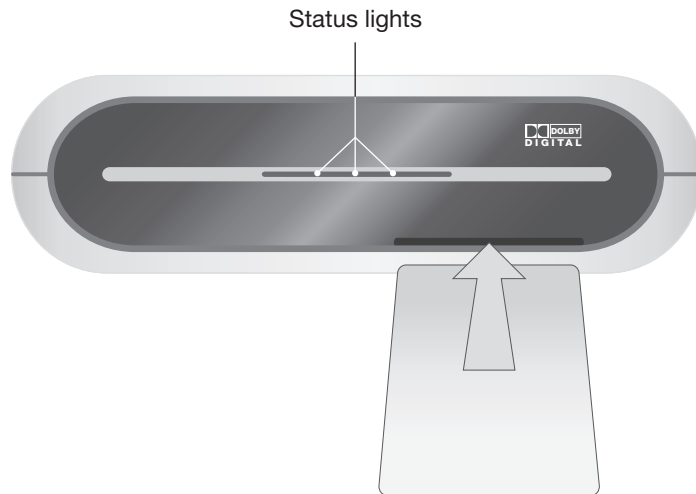
Using a viewing card

To access certain services you may need to use a viewing card supplied by your service provider. For more information refer to the *User Guide* provided by your service provider.

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 AmiNET500 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 AmiNET500.

Alternatively, if your AmiNET500 has already been set up for you by your provider, see *Using the Amino remote control with your AmiNET500*, page 19, for information about using your product.



Setting up the AmiNET500

Explains how to unpack your AmiNET500 and connect it to your TV, and the other equipment in your audio and video system.

Unpacking the AmiNET500

The AmiNET500 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 AmiNET500 is supplied with the following accessories:

Setting up the AmiNET500

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Power supply for AmiNET500



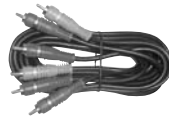
Power Supply lead with wall outlet plug.



Composite video lead



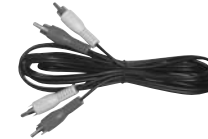
RF lead



Component Video lead



S-Video lead



Stereo audio lead



3 x AAA Batteries for remote control*



Amino Remote control*

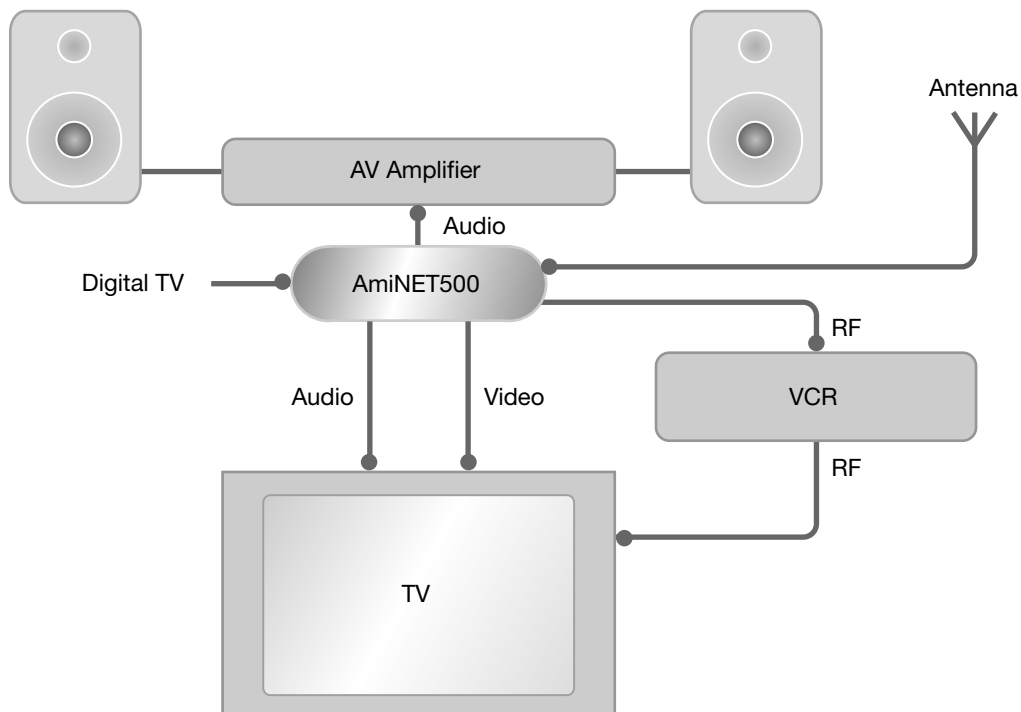
* Your service provider may supply a different remote control from that shown.

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

The front window of the AmiNET500 is protected with a clear plastic film, and this should be removed and disposed of before using the product.

Connecting up the AmiNET500

The following diagram shows how to connect up your AmiNET500 in a typical installation including a TV, VCR, and AV amplifier:



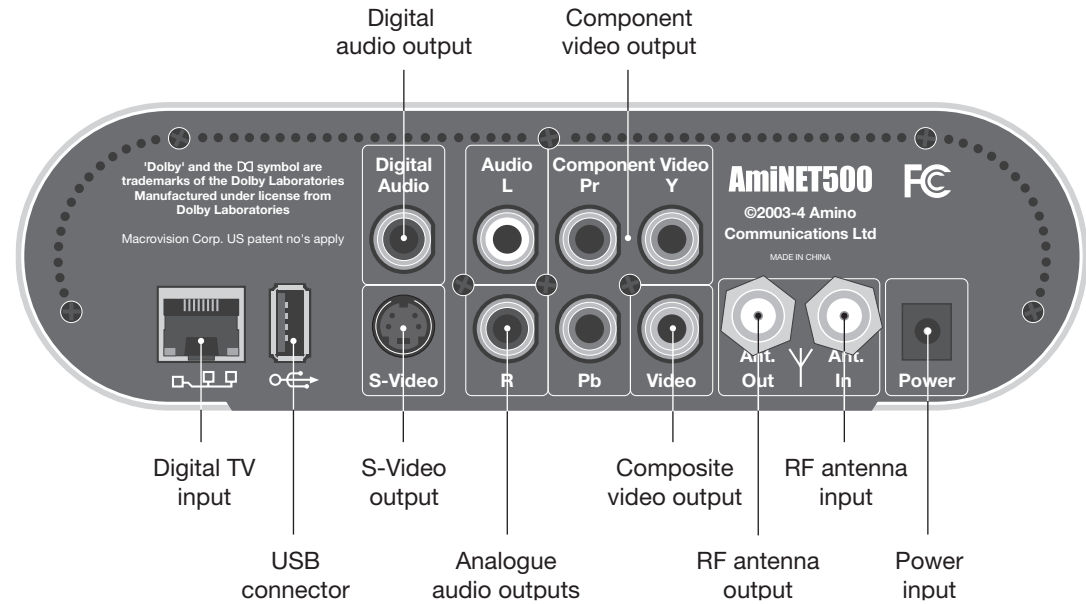
Warning!

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 AmiNET500 directly from the input of your TV.

If your system does not include an AV amplifier leave the digital output of the AmiNET500 unconnected.

Back panel connections



The following sections give more detailed information about connecting the AmiNET500 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 ANT IN input of the AmiNET500.
- Using the RF lead supplied, connect the ANT OUT connector on the back of the AmiNET500 to the RF IN connector on the VCR, or on the TV if you do not have a VCR.

Connecting video

The AmiNET500 provides the following video outputs:

- Component Video (Y, Pr, Pb), which gives the best picture quality.
- 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 provides Component Video inputs use the Y, Pr, Pb lead supplied with the AmiNET500 to connect the Component Video outputs from the AmiNET500 to the Component Video inputs of the TV, taking care to match the colour of each plug to its corresponding socket.
- If your TV has an S-Video input use the S-Video lead supplied with the AmiNET500 to connect between the S-Video output on the AmiNET500 and the S-Video input on the TV.
- If your TV provides a Composite Video input use the Composite Video lead supplied with the AmiNET500 to connect between the Composite Video output on the AmiNET500 and the Composite Video input on the TV.
- If your television only provides an RF input the AmiNET500 will deliver a good picture on either channel 3 or 4 depending on the options selected on the AmiNET500 Setup screen. The RF connection also supplies the audio, so a separate audio connection is not required.

Connecting audio

The AmiNET500 provides the following audio connections:

- Left and right audio for stereo sound.
- S/P DIF digital output for high quality Dolby 5.1 surround sound, when used with an external 5.1 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 outputs to the television or AV amplifier to provide sound:

- Using the stereo audio lead supplied with the AmiNET500 connect the left and right audio outputs from the AmiNET500 to the left and right audio inputs of your TV, or AV amplifier if you are using one, matching the colour of each plug to the corresponding socket.

For best possible sound quality please make sure that the RF output is switched off on the AmiNET500 Setup screen.

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

- Connect the digital audio output from the AmiNET500 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, when available.

Connecting to the digital TV network

The AmiNET500 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 AmiNET500.

Connecting power

The AmiNET500 is provided with a low voltage power supply.

- Connect the power lead from the power supply to the power input of the AmiNET500.
- Connect the mains power to your TV, video recorder, AmiNET500 power supply (using the supplied lead), and AV amplifier.



Caution!

After unpacking the AmiNET500 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.

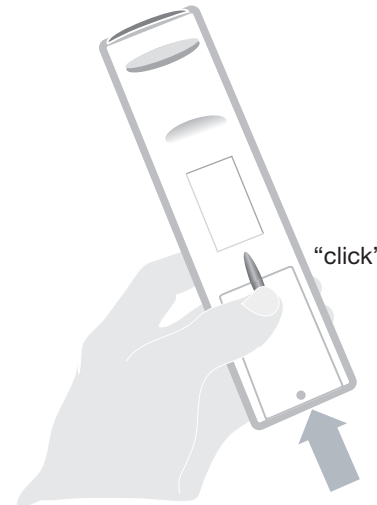
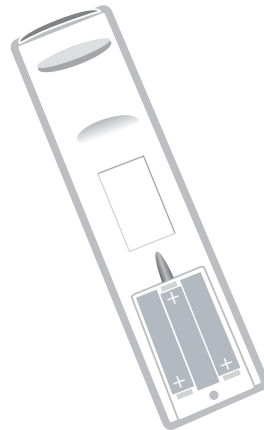
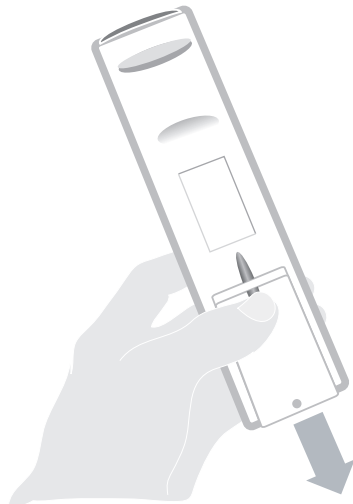
The front window of the remote control is covered with a protective clear plastic film, which should be removed and disposed of prior to use.

Inserting batteries

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

For best performance we recommend using Alkaline batteries.

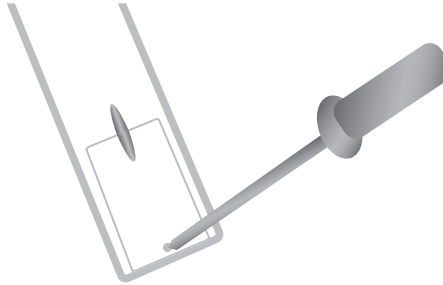
- Open the battery cover by pushing lightly on the recess and sliding the cover downwards:
- Insert the batteries, taking care to observe the correct polarity:
- Replace the battery cover by sliding the cover upwards until it clicks into place:



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.

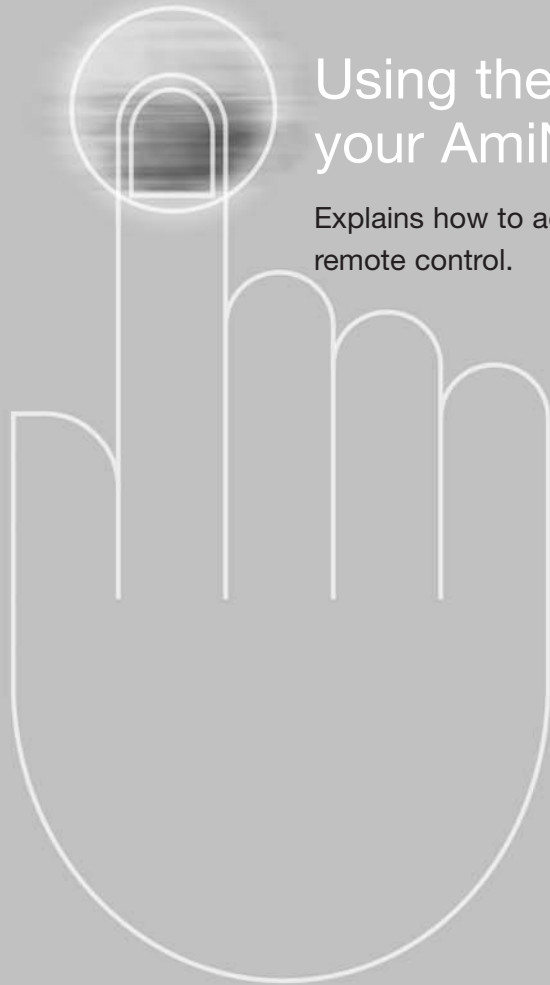
Please respect your environment and any local regulations and dispose of old batteries in a responsible manner.



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 AmiNET500

Explains how to access all the features of your AmiNET500 using the Amino remote control.

Controlling the AmiNET500

To control the AmiNET500 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

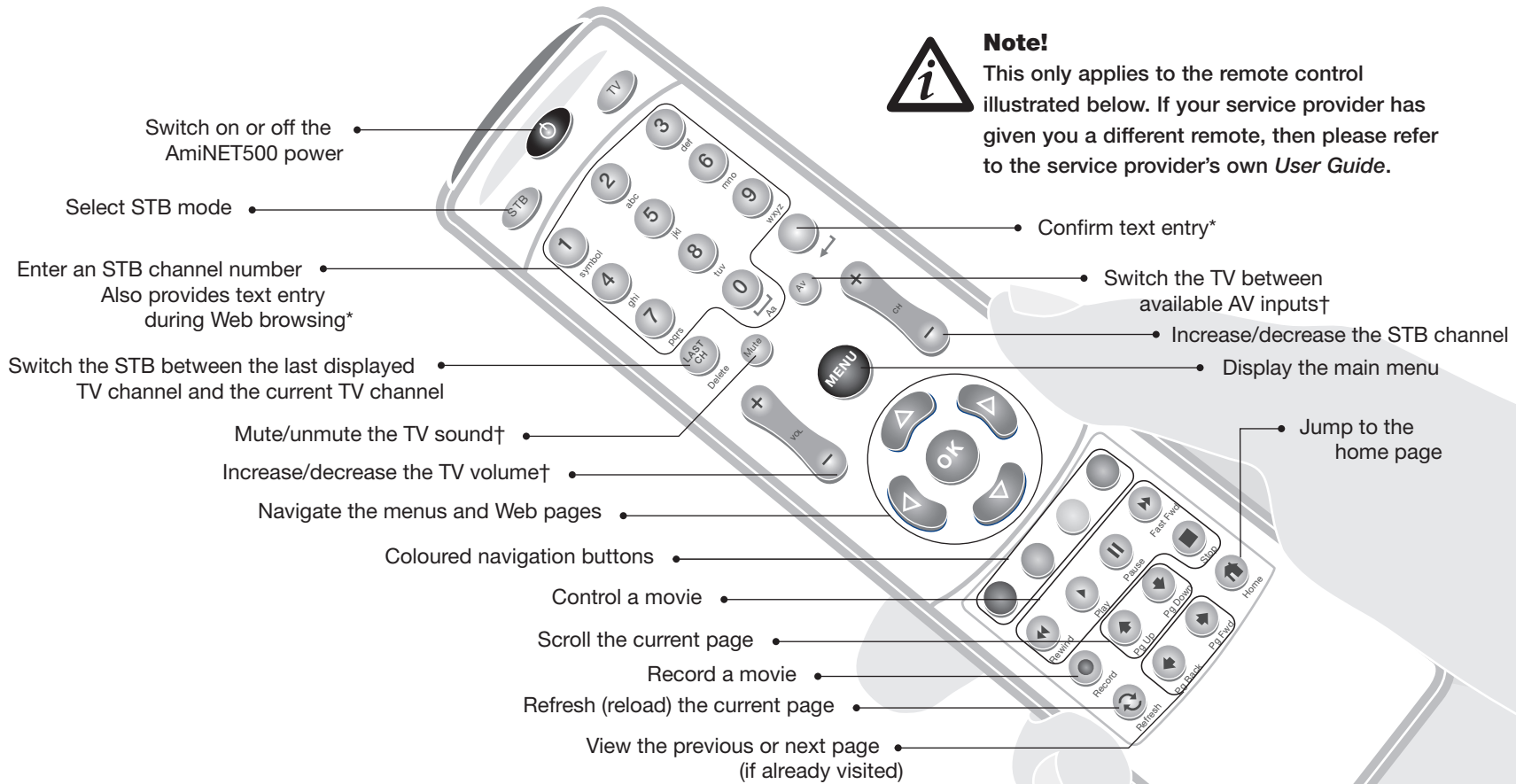
To turn the AmiNET500 on or off:

- Press the power button on the Amino remote control.

When the AmiNET500 is switched on the three status lights on the front panel show what operation it is currently performing. The meaning of each light depends on how the AmiNET500 has been set up; please refer to the *User Guide* provided by your service provider for details.

Using the remote to control the AmiNET500

In Set-Top Box (STB) mode, the remote can control the following functions of the AmiNET500:



Note!
This only applies to the remote control illustrated below. If your service provider has given you a different remote, then please refer to the service provider's own *User Guide*.

* 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 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.

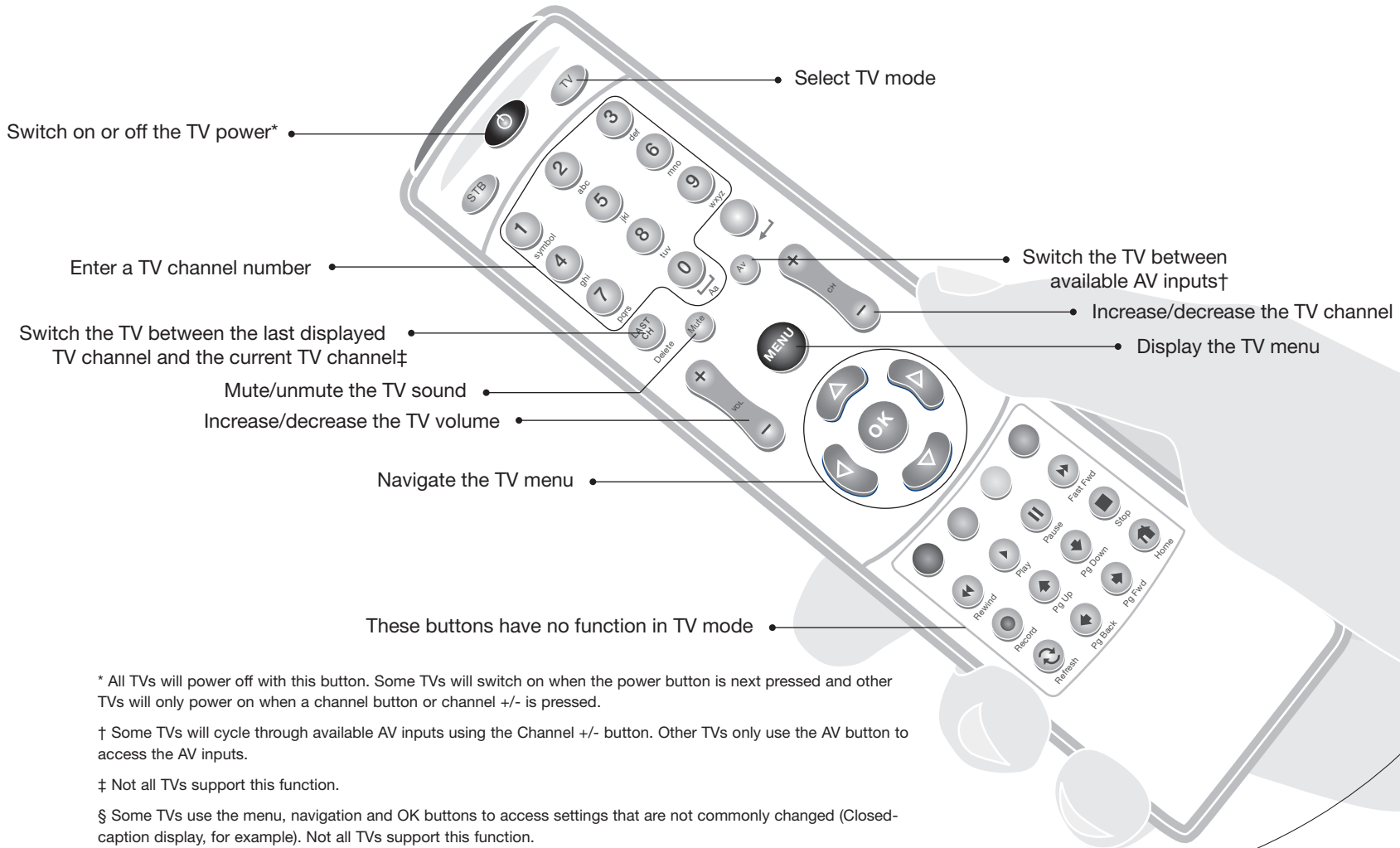
Controlling a TV

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:



TV brand codes

A TANDY	094
ABEX	115
ADMIRA	114, 127, 200
ADVENTURA	113
AIKO	105, 112, 197
AIWA	148
ALARON	109, 217
AKAI	033, 110, 111, 157
ALBA	043
ALLERON	109
AMBASSADOR	108
AMERICA	105
AMPRO	234
AMSTRAD	048, 108
ANAM	025, 104, 105, 106, 107
ANAM NATIONAL	104, 214
AOC	036, 041, 102, 103, 111, 116
ARCHER	116
AUDIOSONIC	100
AUDIOVOX	105, 116, 197, 199
BAUER	044
BAUR	100
BAYSONIC	105
BEIJING	151, 155, 156
BELCOR	036, 103, 157
BELL & HOWELL	038, 098, 099
BEON	100

BRADFORD	105
BROCKWOOD	036, 103
BROKSONIC	083, 116, 200
BUSH	100
CANDLE	035, 036, 041, 096, 097, 111, 113, 215
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CARNIVALE	041, 157
CARVER	010, 163, 213
CATHAY	100
CELEBRITY	095, 195, 232
CENTURION	041
CHANGHONG	154, 155, 156, 162
CINERAL	105, 197, 199
CITIZEN	035, 036, 041, 092, 093, 094, 096, 097, 105, 111, 112, 113, 149, 197, 215
CLAIRTONE	101
CLARIVOX	100
CONCERTO	035, 097, 215
CONROWA	175
CONTEC	090, 091, 101, 105
CORANDO	094
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CROWN	094, 105
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DAYTRON	036, 094, 103
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DWIN	076
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ELECTROBAND	095, 101, 195, 232
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ELECTRON	094
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ERRES	100
ETRON	033
FERGUSON	100
FINLUX	100
FISHER	017, 038, 080, 098
FORMENTI	044
FORMONTI	100
FORTRESS	114
FUJITSU	109, 217, 224

FUNAI	048, 105, 109, 141, 150, 152, 217
FUTURETECH	105
GE	013, 016, 020, 036, 041, 075, 076, 077, 078, 079, 081, 086, 104, 114, 127, 196, 199, 212, 214, 228, 229, 231, 233
GEC	027, 100
GEMINI	039
GENEXXA	043
GIBRALTER	089, 103, 111
GOODMANS/TASHIKO	027, 066, 100
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Specification

AmiNET500

Physical specifications

Weight	1.86kg (65.8oz)
Dimensions (including rear connectors)	(approximately) 245mm (9.65") long, 185mm (7.28") wide, 55mm (2.16") 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
TV standard	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 1.1
Speed	12Mbit/s high speed and 1.5Mbit/s low speed
Power Feed Capability	500mA (5 Unit loads)
Connector	USB Type A
Controller type	Host

Analogue Audio

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

Digital Audio Interface

Type	S/P DIF electrical to IEC 61937
Connector	RCA (Black)
Impedance	75Ω
Output	0.4Vpp .. 0.6Vpp, <0.05Vdc (75ohm terminated)

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

Smart Card

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

Power Interface

Connector	DC10A 2.1mm x 5.5mm
Type	DC power socket, centre positive
Input	12V ± 10%
Current	Max 50W, Standby <9W

MPEG Transport stream decoding

Transport Stream	MPEG-2 ISO/IEC 13818
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Transport Stream Specification

Profile	MPEG-1 and MPEG-2 MP@ML
Video Input Rate	14Mbit/s
Aspect Ratio	4:3, Letterbox, 16:9
Video Resolution	720 x 480
Graphics Resolution	640 x 438 16-bit color, 8-bit Alpha blending
Audio Decoding	MPEG layer I and II Stereo, Stereo down mix, digital

Hard Drive

Capacity	80GB (Approx 40 hours storage)
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External Power Supply

Specification

Type	High-efficiency switch-mode
Input	100~240V AC, 50~60Hz, 1.7A
Output	12v DC, 55W, 3.5A
Weight (not including mains cable and plug) (approximately)	200g (7 oz)
Dimensions (approximately)	107mm (4.18") long 30mm (1.18") high 47mm (1.85") wide

Packaging

Specification

Type	Cardboard Printed Gift-Pack
Weight (includes power supply, US mains lead, Amimo Remote control and all leads)	3.36kg (118.5 oz)
Dimensions (approximately)	282mm high, 323mm wide, 166mm deep

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