

## Manhattan SX

### Important Information

<b>1. Safety</b>	2
<b>2. Environmental</b>	5
<b>3. Terms &amp; Conditions (including Warranty)</b>	6
<b>4. Acknowledgements of Trademarks</b>	14
<b>5. Declaration of Conformity</b>	14
<b>6. External Power Supply: Energy Efficiency Information</b>	15
<b>7. Hardware Specification</b>	16

# 1. Safety

**⚠ WARNING:** To avoid injury, read all safety information below before using the Manhattan SX. Please heed all warnings and keep these instructions. Failure to follow these safety instructions could result in fire, electric shock, or other injury or damage to the Manhattan SX or other property.

## Device Information

Information such as the model number, serial number and electrical rating are located on the bottom of the Manhattan SX.

## Power

The Manhattan SX is supplied with an external 100V - 240V AC, 50/60Hz power supply that connects by 12V DC plug to the receiver and by UK mains plug to the mains. The Manhattan SX's external power supply must be plugged into a 100V - 240V AC, 50/60Hz supply. Always connect the 12V DC plug to the Manhattan SX before connecting the mains plug.

The Manhattan SX has no on/off switch. To disconnect the Manhattan SX from power, switch off the mains socket it is connected to and then unplug the mains plug. Make sure the mains plug is always easily accessible. When connecting or disconnecting the mains plug, always hold it by its sides. Keep fingers away from the metal part of the plug.

**⚠ ⓘ WARNING:** These symbols are printed on the rating label underneath the product and mean to only use the power supply listed here in these instructions.

Manufacturer: MOSO POWER  
SUPPLY TECHNOLOGY CO.,LTD

Model no: MSA-C1500CS12.0-18G-GB  
Input rating: 100-240V ~ 50/60hz, 0.6A max  
Output rating: 12V  $\overline{\text{---}}$  1.5A

## Cables

Make sure all cables are positioned so they are unlikely to be walked on, crushed or damaged by things placed on or against them. Pay particular attention to the power cable where it connects to the Manhattan SX and comes out of the external power supply. Always disconnect the Manhattan SX as described in the Power section before connecting or adjusting cables to it.

## Temperature & Moisture

The Manhattan SX works best in ambient temperatures between 0° and 35° C (32° and 95° F) and can be stored at temperatures between -20° and 45° C (-4° and 113° F). While you're using the Manhattan SX, it's normal for the case to get warm as it is designed to transfer heat from inside the unit to the cooler air outside.

Use the Manhattan SX only in moderate climates and not in tropical climates. Do not use or place the Manhattan SX in places where the temperature can suddenly change and cause condensation, such as in front of air conditioning units. Do not allow the Manhattan SX to get wet as this is dangerous. Do not expose it to dripping or splashing. Do not place objects filled with liquids, such as vases, on the Manhattan SX. In the event liquid (e.g. water, juice, oil or pet urine) or foreign object enter the Manhattan SX, immediately disconnect the Manhattan SX as described in the Power section and contact Manhattan customer support for advice on how to proceed.

## Location & Ventilation

The Manhattan SX is an indoor product; do not use it outdoors. We recommend the Manhattan SX has 10cm clearance from any other appliances susceptible to electromagnetic influences, such as a TV or a VCR. Slots and openings in the Manhattan SX's cover are for ventilation. Ensure a minimum clearance of 5cm around the Manhattan SX for sufficient ventilation. Ensure the ventilation is not impeded by covering the ventilation opening with items such as newspapers, table-cloths, curtains, etc. Do not stack other electronic equipment on top of the Manhattan SX. Do not stand the Manhattan SX on soft furnishings or carpets. Failure to follow these instructions could lead to the Manhattan SX overheating.

**⚠ WARNING:** Do not insert foreign objects into the Manhattan SX through its air vents. You run the risk of electric shock, and damage caused is not covered by the limited warranty.

## Cleaning

Before cleaning the Manhattan SX, disconnect it as described in the Power section and unplug all cables. Use only a soft, dry, lint-free cloth. Microfibre cloths are recommended. Don't use liquids, window cleaners, household cleaners, aerosol sprays, solvents, alcohol, ammonia or abrasives to clean the Manhattan SX.

## Heat, Flames & Lighting

**⚠ WARNING:** Do not place the Manhattan SX near to naked flames or sources of intense heat, such as an electric fire. Do not place naked flame sources, such as lighted candles on the Manhattan SX. If there is a storm or lightning, unplug the Manhattan SX.

## Batteries

The Manhattan SX remote control takes AAA batteries. Always replace dead batteries with two brand-new batteries from the same manufacturer. Do not mix old and new batteries or different battery types (e.g. alkaline and manganese batteries). Never use damaged batteries. Do not expose batteries to excessive heat such as sunshine, fire or the like.

Remove batteries from the remote control when not using for a prolonged period of time to prevent battery leakage, corrosion and explosion.

## Servicing

**⚠ WARNING:** Do not attempt to open the Manhattan SX or disassemble it. You run the risk of electric shock, and damage caused by disassembly is not covered by the limited warranty. No user-serviceable parts are inside.

Make sure that anyone who services your Manhattan SX is qualified to do so. Make sure the person carrying out the repair uses parts which are specified by us or which have the same specifications as the original part. Other parts may cause a fire, electric shock or other dangers.

If the external power supply breaks or becomes damaged, do not use it. Do not cut or open the power supply, as this will expose you to dangerous high voltages present inside. The power supply is non-serviceable and does not have any replaceable parts inside. If the power supply is damaged, it must be replaced by the manufacturer, its service agent, or suitably qualified persons in order to avoid a hazard.

## Hazards To Children

**⚠ WARNING:** The packaging of this product may cause suffocation. Some of the parts included with the Manhattan SX are small and may present a choking hazard to young children. Keep these parts out of the reach of young children.

**⚠ WARNING:** Do not place or leave the console or its accessories within easy

reach of young children or on an unstable surface:

- Pulling on the cables connected to the Manhattan SX can lead to it falling.
- Strangulation hazard - the cables connected to the Manhattan SX can coil around their neck.



## 2. Environmental

This symbol means that according to local laws and regulations your product and/or its batteries shall be disposed of separately from household waste. When this product reaches its end of life, take it to a collection point designated by local authorities.

The separate collection and recycling of your product and/or its batteries at the time of disposal will help conserve natural resources and ensure that it is recycled in a manner that protects human health and the environment.

### 3. Terms and Conditions

In order to use this product, including component parts, the remote and power supply (collectively the “Hardware”), you will need to accept these Terms and Conditions, which constitute an agreement between you and the manufacturer of this product, Manhattan TV Limited (“Manhattan”, “we” and “us”). If you do not wish to accept these Terms and Conditions please disconnect the Hardware and, if you are entitled to do so in accordance with the applicable returns policy, return it to the retailer from which you purchased the Hardware.

Manhattan reserves the right to change these Terms and Conditions from time-to-time, or to replace these Terms and Conditions with new Terms and Conditions when Manhattan considers it necessary to do so (for example to reflect any changes to the services or content accessed through the Hardware provided by third parties (the “Connected Services”) and/or any other changes that are necessary to meet legal or regulatory requirements). These Terms and Conditions were last updated on 27/10/16.

#### Your Responsibilities

By accepting these Terms and Conditions you accept full responsibility for any use of the Hardware and/or Connected Services received through the Hardware.

The Hardware may only be used for private, non-commercial use. You may not (and may not permit any person to):

1. use the Connected Services or any content for public or commercial use, for example, by charging others for accessing them;
2. modify, copy, reproduce, rebroadcast, or retransmit in any way any of the content or Connected Services (except as permitted by law);
3. access or use the Connected Services or content for any unlawful purpose;

Where required, you are responsible for obtaining and maintaining a valid television licence.

Some Connected Services and content use digital rights management security features and/or other content-protection measures. These features and measures enable content providers to protect their content when they make it available to you. You must not remove or circumvent or try to remove

or circumvent these features or measures.

Some content may not be suitable and/or available for everyone. This might include programmes that are not appropriate for children, or services for which payments are required. You are responsible for setting up and maintaining parental controls or any other controls that are available, and Manhattan will not be responsible for any harm, loss or damage you suffer or any other user of your hardware suffers as a result of your failure to manage your parental control settings or if you allow or enable Content to be viewed by members of your household for whom such Content is not appropriate.

It is your responsibility to accept any software updates to the Hardware and to the Connected Services offered by the television/internet service provider or otherwise. Such updates are necessary from time to time to ensure that the Hardware and Connected Services continue to function properly.

Automatic software updates take place overnight and it is your responsibility to ensure that these updates are not blocked or refused and that, while not in use, the electricity supplied to your Hardware is not turned off and that it is in standby or rest mode.

You must comply with these Terms and Conditions. If you do not comply with these Terms and Conditions, Manhattan will not be liable for any damages or losses whatsoever resulting from your failure to comply.

## **Internet and television services**

Please note that content or Connected Services broadcast or made available in or from the United Kingdom may not be available in other territories.

Manhattan manufactures the Hardware but does not provide the content or Connected Services accessed through the Hardware. Since Manhattan has no control over third party services or content (such as Freesat and Freeview and any services or content made available by them or other third parties, for example television “catch up” services such as BBC iPlayer or “apps” such as YouTube), including any changes to the software/programming of such services, Manhattan cannot guarantee that the Hardware will continue to be compatible with all of the Connected Services, or that the services themselves will continue to be provided or supported.

The terms and pricing (if any) of any digital content accessed through the Hardware are not part of these Terms and Conditions. If you deal with any third parties in respect of Connected Services (for example, by buying or renting goods or services from them or subscribing to or accessing third party

services), we will not be involved in such dealings. Such third parties may require you to accept additional terms and conditions or require payment for their services. You enter into such arrangements at your own cost and risk and Manhattan will not be liable in any way for any loss, costs or damage arising from any dealings with such third parties. You should abide by any terms and conditions required by such third parties for access to content provided by such third parties.

In order to use certain elements of the Connected Services you will need a broadband internet connection of a speed no lower than the speed recommended in the User Guide, and/or by the relevant content provider (whichever is the higher).

Manhattan cannot guarantee specific levels of performance for services which require internet, terrestrial, satellite or other television access, and accepts no liability for malfunction of the Hardware which is due to a slow or faulty internet connection (whether via Wi-Fi or by Ethernet cable), aerial or satellite reception.

Occasionally, services may be interrupted, or your use may be suspended or restricted where reasonably necessary for technical, operational, security, legal or regulatory reasons. If this happens, no liability is accepted for any harm suffered as a result of such interruption, suspension or restriction. No representation is made to you about the availability of the Connected Services.

You are responsible for maintaining any equipment which must be connected to the Hardware to enable you to access the Connected Services (for example your television, projector, display monitor or computer). Manhattan is not responsible if you are not able to use the Hardware because of a malfunction of equipment not manufactured by Manhattan.



## Warranty

Subject to the additional Terms and Conditions set forth below, Manhattan provides this Limited Warranty:

- only to the person or entity that originally purchased the Hardware (“you” or the “end user”); and
- only for Hardware purchased and delivered to the end user within the United Kingdom

## Limited Warranty

Manhattan warrants that the Hardware is free from defects in materials and/or workmanship when the Hardware is subjected to normal use for a period of one year (twelve months) from the date of purchase (“Warranty Period”). If Manhattan determines that the Hardware is defective (other than as specified below), Manhattan will either repair or replace the Hardware, to a functionally equivalent standard, at its option.

Any replacement Hardware will be covered by this warranty for the remainder of the original Warranty Period or for thirty days from the date that the replaced Hardware is delivered to the customer, whichever is longer. If the Warranty Period has expired or is otherwise not applicable (see “Scope and Limitation of Warranty” below), we will return the Hardware, to you, subject to shipping and handling charges.

This Limited Warranty does not affect your statutory and other rights under legislation governing the sale of consumer goods.

## Offer to Extend Warranty to Two Years

For end users qualifying for the Limited Warranty, Manhattan offers to extend the Warranty Period to two years from the date of purchase if:

- within 30 days of purchase the purchaser completes the registration process at [www.manhattan-tv.com/register](http://www.manhattan-tv.com/register) ; and
- the purchaser receives confirmation from Manhattan of the activation of the 2 year warranty.

## Scope and Limitation of Warranty

The warranty on the Hardware is limited to the repair or replacement of defective Hardware as described in the “Limited Warranty” section above.

The warranty does not cover the following:

- customer training or education, installation, removal, set up adjustments, or signal reception problems;
- any defect, failure or other issue related to the service or content provided or to be provided by third parties such as your internet or television service provider, including but not limited to service disruption, changes in service terms, changes in offerings, changes in format, or technical problems (for further details see the “Internet and Television Services” section above);
- damage, deterioration or malfunction of the Hardware resulting from:
  - accident, misuse, fire, water, lightning or other acts of nature, abuse, ambient temperature outside of the range recommended for operation of the Hardware, negligence, commercial use or unauthorised modification of, or to any part of, your Hardware;
  - damage due to improper operation or maintenance, connection to improper voltage supply or attempted repair by anyone other than a facility authorised by Manhattan to service your Hardware;
  - use of supplies or parts not meeting Manhattan’s specifications;
  - any damage of the product due to shipment;
  - the use of faulty, damaged or leaking batteries or battery packs, or any other use of batteries or battery packs not in accordance with the instructions;
  - normal wear and tear or damage/scratches to the external plastics;
  - failure of the owner to perform periodic product maintenance in accordance with any recommendations provided with the Hardware; or
  - abnormal operating conditions including smoke (e.g. cigarette smoke), steam and dust.
- consumables (such as fuses and batteries);
- the Hardware, if its serial number is altered, defaced or removed;
- the cost of sending the Hardware to an authorised Manhattan facility;
- the cost of returning the Hardware to locations outside of the United Kingdom;
- any personal settings or personal data stored on the Hardware which are removed, lost or corrupted during authorised (or unauthorised) repair services;

- defects or problems caused by Virus/Worm/Trojan infections or similar. Virus removal is not covered under warranty; and
- defects or faulty operation resulting from your prevention of automatic updates to the Hardware.

Please note that where Hardware is not purchased in a consumer context, Manhattan makes no warranties express or implied as to the Hardware's fitness for purpose or quality and the Consumer Rights Act 2015 does not apply.

## **How to return or fix Hardware which is still under warranty**

Please access and review the online help resources at [www.manhattan-tv.com/support](http://www.manhattan-tv.com/support) before seeking warranty service. To return or obtain warranty service for your Hardware, you must first obtain a Return Authorisation Number (RAN) number from a Customer Support Representative (CSR) at Manhattan. Customer Support contact information can be found by visiting [www.manhattan-tv.com/support](http://www.manhattan-tv.com/support). RAN numbers expire thirty days from issuance. Manhattan may attempt to troubleshoot a warranty-related problem prior to issuing a RAN number. Please be prepared to provide additional information upon request.

Once a RAN number is obtained, you must ship your Hardware, freight prepaid, together with proof of purchase and all requested accessories, in either the original packaging or packaging affording an equal degree of protection, to the authorised Manhattan facility identified by the CSR. This distribution facility will be located in the United Kingdom, the address of which can be found at the following link: [www.manhattan-tv.com/support](http://www.manhattan-tv.com/support). Failure to return any of the requested accessories could result in a delay and/or result in you being required to send the accessories for the service process to continue.

Important: When requesting a RAN number, if you have not already done so, you will be required to provide the following:

Model number (located on a label on the underside of the Hardware)

- Serial number (located on a label on the underside of the Hardware)
- Problem description
- Software version (located in the System Information menu)
- Place of purchase (reseller or online place of purchase)
- Date of purchase

- Your name, return shipping address and telephone number (P.O. boxes are not accepted).

## **Limitation of Liability**

Manhattan shall not in any circumstances be liable in connection with the Hardware, whether in tort (including without limitation for negligence or breach of statutory duty howsoever arising), contract, misrepresentation (whether innocent or negligent) or otherwise for:

- (i) loss of profits; or
- (ii) loss of use; or
- (iii) loss or corruption of data or information; or
- (iv) any special, indirect, consequential or pure economic loss, costs, damages, charges or expenses.

As explained above, Manhattan shall not be liable in any way for loss, costs or damage arising from interactions with third parties or use of third party services or content. Neither will Manhattan be liable to you for the contents of any material from such third parties.

Nothing in these terms or conditions limits or excludes Manhattan's liability for death or personal injury caused by its proven negligence, fraud or fraudulent misrepresentation.

## **Your Privacy**

We do not collect or process any of your personal data using the Hardware nor do we store or access any "cookies" on its hard drive (cookies are small data files sent to the Hardware's browser software; you can find out more about cookies at <http://www.allaboutcookies.org/>).

However, third parties connected with the provision of the Connected Services may collect your personal data (such as the geographical location of the device, and viewing and/or browsing patterns) through those Connected Services and by placing cookies on the Hardware in order to:

- authenticate the device to ensure that it is authorised to receive the Connected Services;
- provide the Connected Services; and
- improve the services.

Third parties may also collect data relating to the make and model of the device. In order to use the Connected Services, third party providers may require you to consent to such use. Please read the privacy and cookie policy of each third party service that you use on the Hardware to find out more about third parties' collection and processing of your personal data and to decide whether you agree with it.

If you apply for an extended warranty with Manhattan we will use the personal data which you give us to maintain our customer database, to send you updates on our products and services from time to time, and for other purposes approved by you. For more information on how we process and use your personal data please refer to our Privacy Policy at [www.manhattan-tv.com/privacy](http://www.manhattan-tv.com/privacy).

## **Intellectual Property**

The Intellectual Property Rights in the material contained in our website [www.manhattan-tv.com](http://www.manhattan-tv.com) ("Website") and in our Hardware and materials relating to it belongs to Manhattan, its licensors or, where applicable, the service or content providers (for example the BBC for iPlayer).

"Intellectual Property Rights" includes patents, utility models, rights to inventions, copyright and related rights, trade marks and service marks, business names and domain names, rights in designs, database rights, and all other intellectual property rights, in each case whether registered or unregistered and which subsist or will subsist now or in the future in any part of the world.

You must not copy, distribute, attempt to disassemble, decompile, create derivative works of, reverse-engineer, modify, sub-license, or use for any other purposes any software on the Hardware or the Hardware itself, save as set out in the paragraph "Open Source Software" below.

To the extent that it is able to do so, Manhattan grants you a limited licence to use such rights for your personal use only. You may use the Hardware, and download or copy the content and other downloadable items displayed on our Website provided that the material is only used for personal, non-commercial purposes. Copying or storing the contents of the website or the digital content accessed through the Hardware for any other purpose is expressly prohibited.

## **Open Source Software**

Certain components of the software for the Hardware are subject to so-called

open-source licences. Such software is subject to the terms of the applicable open source licence. You are free to use, modify and distribute open source software, so long as you comply with the terms of the applicable open source licence. In the System Information Help menu on the Product you can find more information on the open source software components and open source software licences which apply to those components .

## Complaints and Comments

If you have any complaints or comments please contact us. We are fully committed to addressing all complaints fully and fairly, and in a reasonable time frame. To contact us please visit: <http://www.manhattan-tv.com/contact>

## Jurisdiction and Governing Law

These Terms and Conditions will be governed by the law of England and the courts of England shall have exclusive jurisdiction to settle any dispute or claim arising out of or in connection with these Terms and Conditions or their subject matter or formation (including non-contractual disputes or claims).

## 4. Acknowledgements of Trademarks

### DOLBY AUDIO

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

### HDMI

HDMI, the HDMI Logo, and High-Definition Multimedia Interface are trademarks or registered trademarks of HDMI Licensing LLC in the United States and other countries.

## 5. Declaration of Conformity

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Hereby, Manhattan TV Limited declares that the radio equipment type Manhattan SX is in compliance with Directive 2014/53/EU. The full text of the EU declaration of conformity is available at the following internet address: [www.manhattan-tv.com/ce](http://www.manhattan-tv.com/ce)

## 6. External Power Supply: Energy Efficiency Information


Information	Value	Unit
Manufacturer's name & address	MOSO POWER SUPPLY TECHNOLOGY CO., LTD Sangtai Industrial Park, Guanwai Xiaobaimang Songbai Road, Nanshan District, 518108 Shenzhen, Guangdong, China	-
Model identifier	MSA-C1500CS12.0-18G-GB	-
Input voltage	100-240	V AC
Input AC frequency	50/60	Hz
Output voltage	12.0	V DC
Output current	1.5	A
Output power	18.0	W
Average active efficiency	86.2	%
Efficiency at low load (10%)	75.9	%
No-load power consumption	0.06	W

# 7. Hardware Specification


## Physical

Dimensions: (W) 120mm x (H) 27mm x (D) 132mm  
Weight: 156 grams

## Power

Source: 100-240V AC, 50/60Hz  
Input: 12V  1.5A  
Consumption: Less than 13W (Active with no USB device attached)  
Less than 18W (Active with USB device attached)  
Less than 0.5W (Passive Standby)  
Adapter model: MSA-C1500CS12.0-18G-GB

## Connections

Ethernet: RJ45, IEEE802.3 10BASE-T / 100BASE-TX  
Digital video: HDMI v1.4 & HDCP v1.4, maximum 1080p  
Analogue A/V: 3.5mm 4-pole minijack  
USB: USB 2.0, 5V  0.5A  
Satellite input: F type, female 75 ohm

## Wi-Fi

Modes: 802.11 b/g/n  
Frequency range: 2412 - 2472MHz  
Output power: Maximum 20dBm

## Tuner

Standard: DVB-S / DVB-S2  
Frequency range: 950 - 2150 MHz  
Bandwidth: 5MHz & 45MHz  
LNB supply: 13V/18V (max 350mA), short-circuit protected  
Signal level: -60dBm ~ -20dBm

## Operating Conditions

Temperature: 0°C - 45°C  
Humidity: 20% - 80% RH (non-condensing)

The information contained herein is subject to change without notice. Manhattan shall not be liable for technical or editorial errors or omissions contained herein. v4 (24/04/20).

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