

VS-100RF

FULL HD HDMI DVB-T MODULATOR

INSTRUCTION MANUAL



FONESTAR

We take this opportunity to thank you for buying this product.

We recommend you read the instruction manual before switching on the machine and follow the instructions that are given. Keep the manual for future reference.

SECURITY AND THE ENVIRONMENT

ELECTRICAL SECURITY

Check that the current in the mains connection where the machine is to be installed corresponds to the power supply of the machine.

To avoid damaging the equipment, electrical shocks, fire or physical injury when you connect or disconnect the equipment from the power supply, pull the plug firmly out of the mains socket holding the plug, never the cable.

Always do this with dry hands.

Keep the power supply cable far from sources of heat. Do not put heavy objects on top of it or change it.

Clean dust and dirt off the power supply cable regularly.

Do not open the machine; you could get an electric shock.

CAUTION

While installing the machine, make sure it is switched off and unplugged.

Do not open the machine. Touching the internal parts is dangerous and you could receive an electric shock.

The machine must not be splashed or dripped on. Never place recipients with liquid inside on the machine.

Do not place anything inside the machine.

LOCATION

Place the equipment on a horizontal surface with enough space around it to allow ventilation.

Avoid direct sunlight, heat sources and excessive dust.

Do not place the machine near magnetic fields or static electricity.

Do not use surfaces which vibrate or receive impact.

Do not pile machines on top of one another.

VENTILATION

Never block or cover the ventilation slits on the machine.

Do not expose it to direct sunlight or place it near sources of heat.

PERIODS OF INACTIVITY

When the machine is not going to be used for a long period of time, disconnect it from the mains.

If you are using an adapter, take into account that it will continue using electricity even if the machine is switched off. If it is not going to be used for a long period of time, disconnect it from the mains.

THE ENVIRONMENT

To save energy, switch the machine off when you are not going to use it for a long time. The machine could contain substances that are harmful to the environment or human health. To minimize the effect of these substances the machine must be correctly managed and recycled when you decide to dispose of it.

When you dispose of it remember: it cannot be thrown into a conventional rubbish bin.

If it contains or uses batteries, these must be disposed of separately.

The machine (without batteries) must be disposed of correctly. Put it in a container specially intended for the collection of electronic and electrical appliances, at the dump or hand it over to the dealer when you purchase similar equipment, so that the dealer can dispose of it correctly (at no added cost).

SIGNIFICANCE OF THE SYMBOLS ON THE MACHINE*



The symbol formed by the expression “Class 1 laser product” written in a rectangle indicates that visible or invisible laser radiation could be produced. Avoid direct exposure to the laser.



The symbol formed by a ray of lightening inside a triangle shows that the machine has connection terminals or a circuit with areas with a current which could cause an electric shock, even in normal working conditions.



The symbol formed by an exclamation mark in a triangle shows that the instruction manual must be referred to for information on how the machine works and its use.



The symbol formed by one square inside another square shows that the machine has double electrical insulation.



The European Community symbol shows that the machine complies with the current European Union legislation, as well as its transposition to local legislation.



The symbol of a rubbish bin crossed out and over a horizontal line shows that when the product is disposed of it must be done properly, placing it in a special selective electronic and electrical equipment container or through a dealer when purchasing a similar product, at no additional cost. It also shows that the machine was put on the market after 13th August 2005 (European Community Directive 2002/96/CE of Electrical and Electronic recycling, and its Spanish equivalent R.D.208/2005).

In accordance with what is set out in the aforementioned decree, FONESTAR is registered in the RAEE (Registro de Aparatos Eléctricos y Electrónicos) in a special section REI (Registro de establecimientos Industriales), with the entry number 001851.

*It is possible that some of these symbols do not appear on the machine.

EXEMPTION OF LIABILITY

The characteristics of the equipment and the content of the manual can change without forewarning.

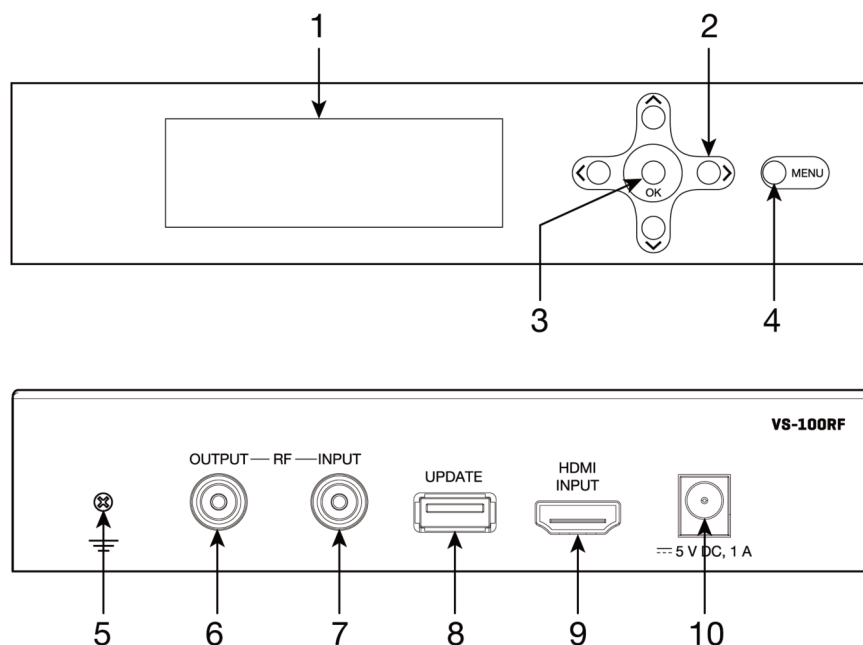
FONESTAR, S.A. does not assume responsibilities regarding the inappropriate use of the equipment or the information supplied in this instruction manual, and specifically disclaims any implied liability for marketability or fitness for any other use.

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DESCRIPTION

- Converts a HDMI signal into a DVB-T signal that is added to the rest of the TDT channels.
- Full HD DVB-T output resolution 1080p.
- DVB-T modulation in VHF and UHF channels.
- Allows a HDMI signal to be distributed to several televisions via the aerial cable.

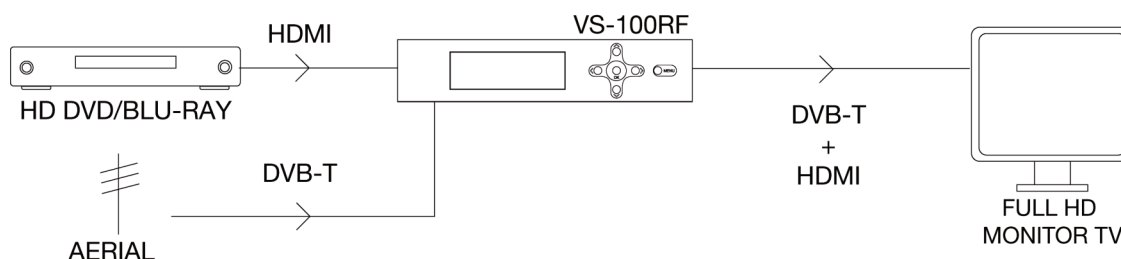
CONTROLS AND FUNCTIONS



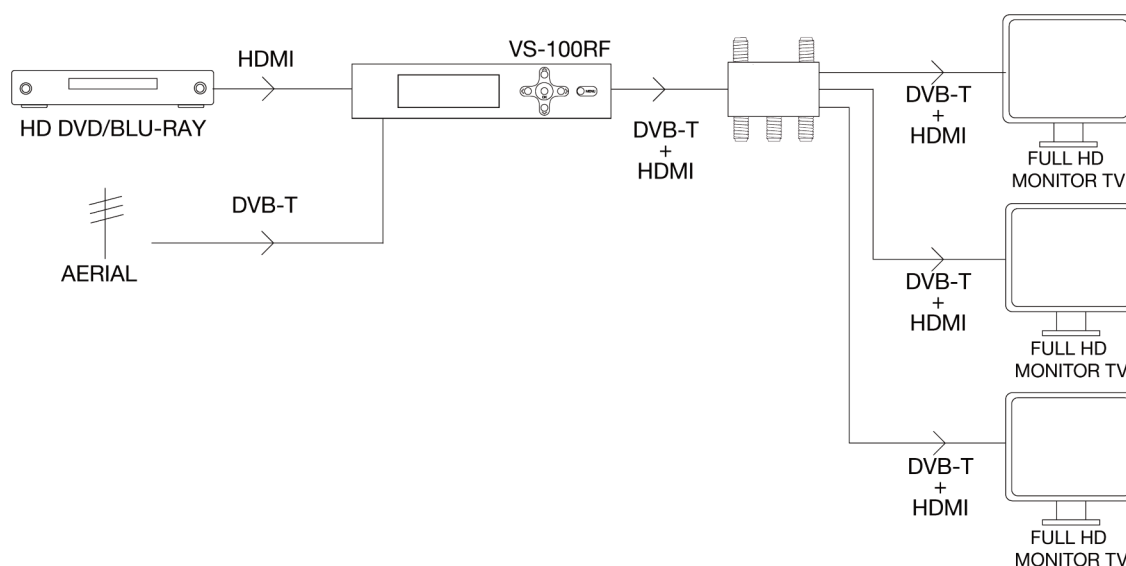
- 1.- Information display and navigation through the configuration menu.
- 2.- Menu navigation buttons.
- 3.- **OK**: data confirmation button in the configuration menu.
- 4.- **MENU**: menu access button.
- 5.- Ground screw.
- 6.- **RF OUTPUT**: RF signal output of the signal coming from the aerial together with the incoming HDMI INPUT signal, F type connector.
- 7.- **RF INPUT**: RF signal input coming from the aerial, F type connector.
- 8.- **UPDATE**: modulator update port, USB connector.
- 9.- **HDMI INPUT**: signal input, female HDMI connector.
- 10.- Power supply input for mains adapter provided.

CONNECTION AND OPERATING

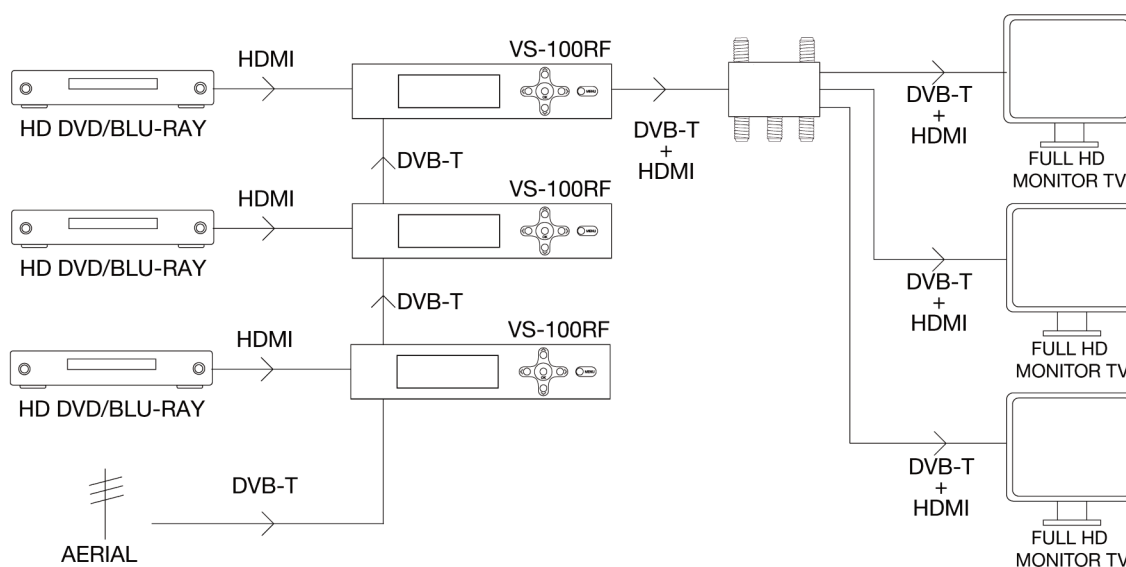
POINT-TO-POINT CONNECTION



POINT-TO-MULTIPOINT CONNECTION



MULTIPOINT-TO-MULTIPOINT CONNECTION



CONFIGURATIONS

MENU

Pressing the MENU button we have the following options:

- Stream

1) Service Name

- Modulator

1) Country 2) Channel

- System

1) Version 2) Reset

SERVICE NAME SELECTION

- Press the MENU button and then the OK button.
- Select "Stream" in the menu using the up and down navigation arrows and press OK.
- Select "Service Name" using the up and down navigation arrows and press OK.
- Change the letters using the up and down navigation arrows. Use the left and right arrows to move to the next character.
- Press OK to save the information when you have finished.

COUNTRY SELECTION

- Press the MENU button and then the OK button.
- Select "Modulator" in the menu using the up and down navigation arrows and press OK.
- Select "Country" using the up and down navigation arrows and press OK.
- Select the country using the up and down navigation arrows.
- Press OK to save the information when you have finished.

CHANNEL SELECTION

- Press the MENU button and then press the OK button.
- Select "Modulator" in the menu using the up and down navigation arrows and press OK.
- Select "Channel" using the up and down navigation arrows and press OK.
- Change the channel using the up and down navigation arrows.
- Press OK to save the information when you have finished.

DISPLAYING FIRMWARE VERSION

- Press the MENU button and then press the OK button.
- Select "System" in the menu using the up and down navigation arrows and press OK.
- Select "Version" using the up and down navigation arrows and press OK.

RESETTING FACTORY SETTINGS

- Press the MENU button and then press the OK button.
- Select "System" in the menu using the up and down navigation arrows and press OK.
- Select "Reset" using the up and down navigation arrows and press OK.

CHANNELS AND FREQUENCIES BY COUNTRY

Spain*, United Kingdom*, Italy, France*, Germany, Denmark, Sweden and Finland.

Channel	Freq. (MHz)	Channel	Freq. (MHz)	Channel	Freq. (MHz)	Channel	Freq. (MHz)
5	177.5	28	530	43	650	58	770
6	184.5	29	538	44	658	59	778
7	191.5	30	546	45	666	60	786
8	198.5	31	554	46	674	61	794
9	205.5	32	562	47	682	62	802
10	212.5	33	570	48	690	63	810
11	219.5	34	578	49	698	64	818
12	226.5	35	586	50	706	65	826
21	474	36	594	51	714	66	834
22	482	37	602	52	722	67	842
23	490	38	610	53	730	68	850
24	498	39	618	54	738	69	858
25	506	40	626	55	746	70	866
26	514	41	634	56	754		
27	522	42	642	57	762		

NOTE: Channels 62 to 70 do not apply in Spain.

Channel 70 does not apply in France.

Channels 5 to 12 and 70 do not apply in the United Kingdom.

TECHNICAL SPECIFICATIONS

	VS-100RF
CHARACTERISTICS	Full HD HDMI DVB-T modulator. Converts a HDMI signal into a DVB-T signal that is added to the rest of the digital TV channels. Full HD DVB-T output resolution 1080p. DVB-T modulation in VHF and UHF channels. Allows a HDMI signal to be distributed to several televisions via the aerial cable. Channel configuration display. Configurable channel name. Compatible with HDCP. Great resistance to noise and interference. USB port for software upgrading.
INPUTS	1 gold-plated female HDMI connector 1 aerial, female F connector
OUTPUTS	1 aerial, female F connector
POWER SUPPLY	5 V DC, 1 A with adapter included
DIMENSIONS	158 x 33 x 115 mm depth
ACCESSORIES	Mounts for assembly

WARRANTY

This product has been tested and has passed the corresponding quality control prior to being put on the market.

FONESTAR guarantees the suitability of the product for its specified use during a period of 2 years from the delivery date and commits itself to repair or substitute the goods as expressed in the Spanish law 'La Ley General para la Defensa de los Consumidores y Usuarios, Real Decreto Legislativo 1/2007 16 Noviembre.

The lack of conformity in the first six months after purchase, due to a manufacturing defect, will be rectified with no more than showing the proof of purchase. After six months **FONESTAR** reserves the right to demand proof of the product being sold with that problem.

This warranty does not include damage produced by: inappropriate use or negligence, accidents, worn out parts due to use, breakages, burns, spilt liquids or other substances, excessive humidity, battery deterioration and internal manipulation of the device, the software or its components by unauthorized persons, and in general any use that is unrelated to the nature and purpose of the product.

If any service is needed during the warranty period because of lack of conformity, please contact the business or distributor where the product was purchased in no more than 2 months after being conscious of the problem. It is only necessary to contact **FONESTAR** if it is impossible or imposes an undue burden for them to solve it.

To benefit from this warranty it is necessary to show the proof of purchase with the date clearly visible, with no corrections or crossing out.

This document adds information, and never decreases the consumers' rights, which in all cases are protected by the Spanish law 'La Ley General para la Defensa de los Consumidores y Usuarios, Real Decreto Legislativo 1/2007 16 Noviembre.



FONESTAR is a member of ECOEMBALAJES ESPAÑA, S.A. "ECOEMBES", with number 03497 and all our products carry the symbol, backed by our membership and subscription to the above mentioned organization with the recycling and subsequent management of our packaging.

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