

# SCF-550, SCF-560P, SCF-570D

CONFERENCE AND CONGRESS SYSTEM

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 expose 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.

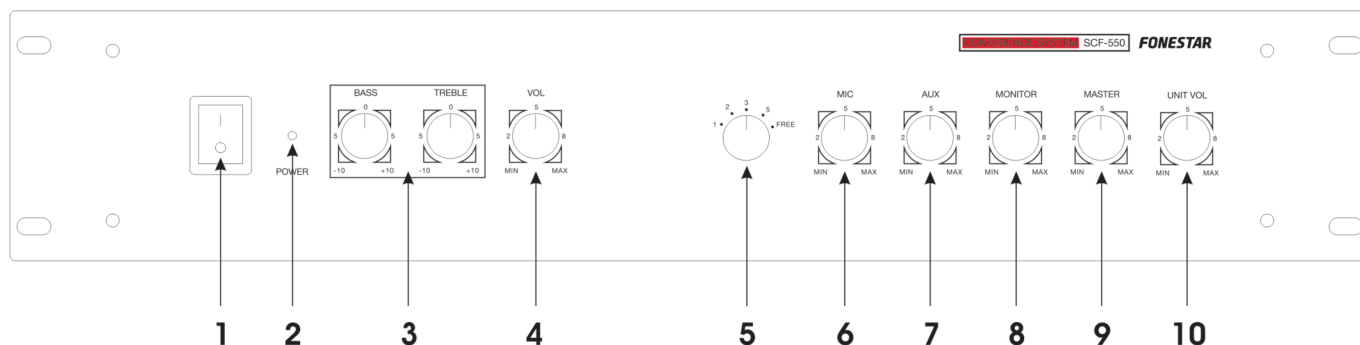
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## DESCRIPTION

- This FONESTAR conference system is ideal for PA and communication, parliaments, city halls, courthouses, administrative councils, seminars, round tables, debates and in general, where PA and communication between different people is required.
- It is a high quality sound system with a low noise level, allowing the connection of up to 64 microphones. It is also equipped with an output for amplification or recording.

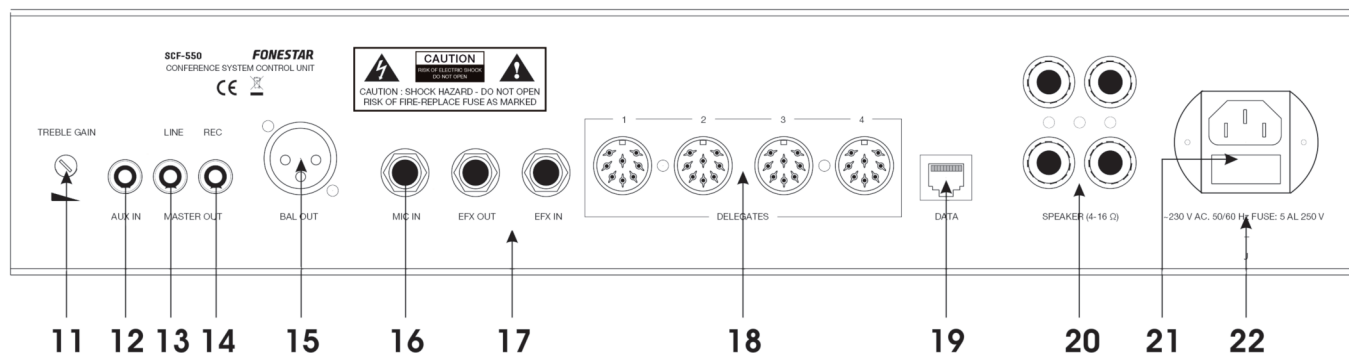
## CONTROLS AND FUNCTIONS

### CONTROL UNIT - FRONT PANEL



- 1.- Control unit on/off switch.
- 2.- **POWER**: LED power indicator.
- 3.- **BASS/TREBLE**: bass and treble tone controls.
- 4.- **VOL**: volume control of loudspeakers connected to the control unit's loudspeaker output.
- 5.- Selector which allows the number of microphones in use to be controlled. You can choose among 1, 2, 3, 5 or without limit.
- 6.- **MIC**: microphone input volume control.
- 7.- **AUX**: aux line level input AUX IN volume control.
- 8.- **MONITOR**: control unit internal loudspeaker volume control.
- 9.- **MASTER**: system general volume control.
- 10.- **UNIT VOL**: integrated loudspeaker volume control of the president and delegate microphones that are connected in the installation.

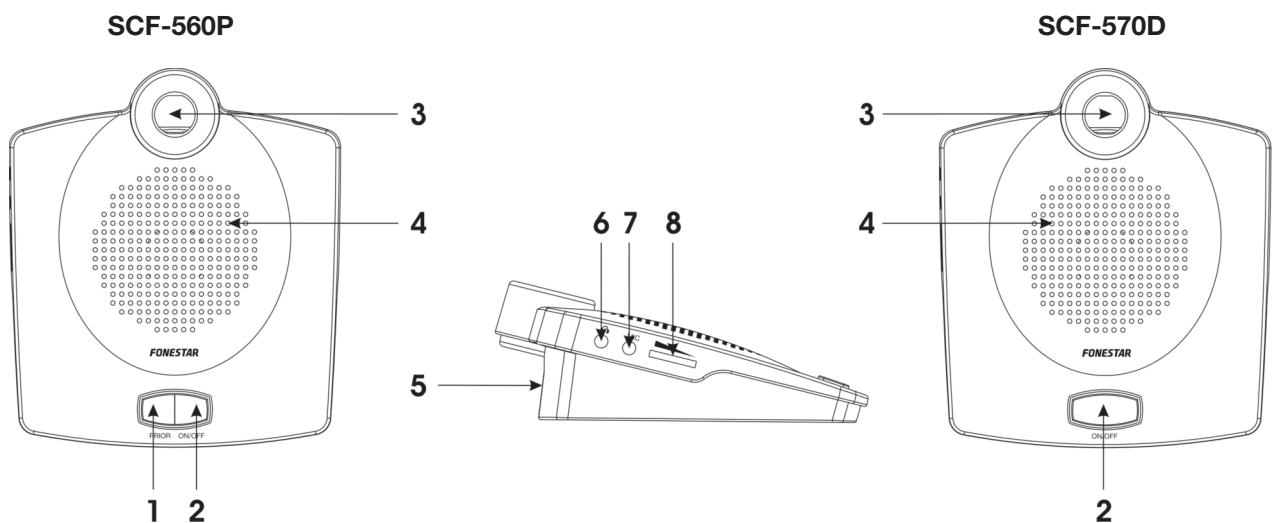
### REAR PANEL



- 11.- **TREBLE GAIN**: control which reinforces or attenuates high frequencies.
- 12.- **AUX IN**: aux line level input, RCA connector.
- 13.- **LINE**: line level output, RCA connector.
- 14.- **REC**: line level output for recording applications, RCA connector.

- 15.- **BAL OUT:** balanced line level output, XLR connector.
- 16.- **MIC IN:** microphone level input, 6.3 mm jack connector.
- 17.- **EFX IN/OUT:** input connectors (EFX IN) and output (EFX OUT), 6.3 mm jack. Connect the input of an external effects processor or similar device to send EFX OUT and the output of the effects processor to send EFX IN to add external effects to the audio signal.
- 18.- **DELEGATES:** 4 input lines for president and delegate microphones. A maximum of 30 microphones can be connected in each line and up to 64 microphones in total.
- 19.- **DATA:** function not available.
- 20.- **SPEAKER:** amplified loudspeaker output 2 x 50 W RMS, for the connection of low impedance loudspeakers 4-16  $\Omega$ .
- 21.- Socket for AC power supply connection.
- 22.- Power supply voltage selector.

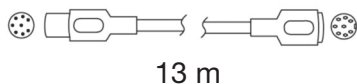
## PRESIDENT MICROPHONE AND DELEGATE MICROPHONE



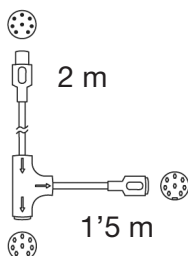
- 1.- **PRIOR:** by pressing this button, all the delegate microphones are automatically closed off giving priority to the president microphone.
- 2.- **ON/OFF:** press this button once to activate the microphone, a second time to deactivate it. While the microphone is active, the speaker can speak (microphone LED ring lit).
- 3.- Connector for gooseneck microphone.
- 4.- Microphone loudspeaker monitor.
- 5.- Socket for interconnection of system microphones, DIN 8 connector.
- 6.- Headphone output, 3.5 mm jack connector.
- 7.- **MIC:** microphone input, 3.5 mm jack connector. To connect the tie-clip microphone included in the president microphone mod. **SCF-560P**.  
**REC OUT:** recording output, 3.5 mm jack connector. Only available in the mod. **SCF-570D**.
- 8.- Microphone volume control.

## INSTALLATION AND CONNECTION

- 1.- Prepare the control unit mod. **SCF-550**, the president microphones mod. **SCF-560P** and the delegate microphones mod. **SCF-570D** for their connection.
- The control unit mod. **SCF-550** is supplied with a 13 m extension cable with male DIN 8 connectors to female DIN 8 for the interconnection of devices, a male XLR cable to a female XLR and an RCA cable to 6.3 mm mono jack for audio output and the power supply cable.



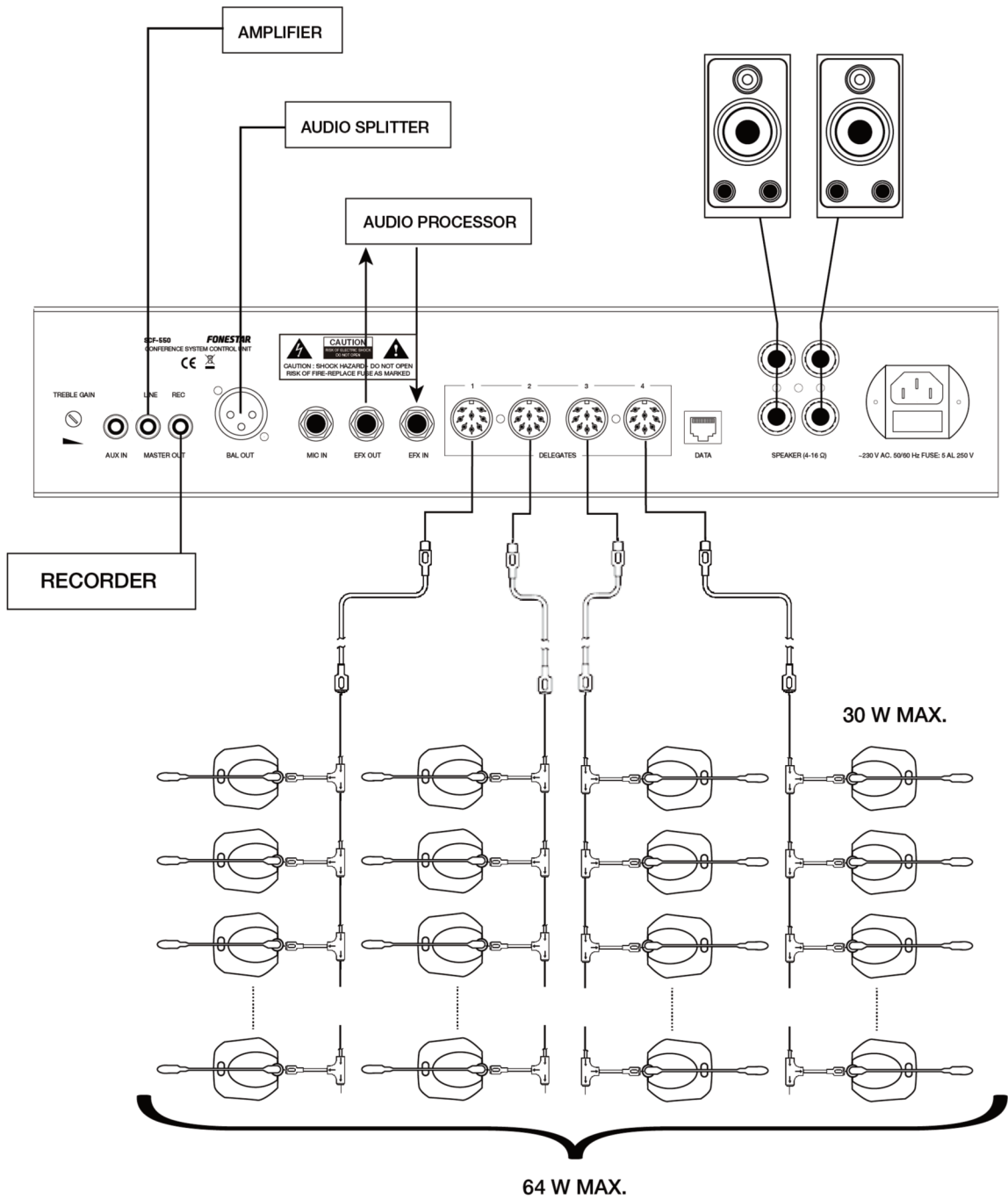
- The president microphones mod **SCF-560P** and delegate microphones **SCF-570D** are supplied with a “Y” shaped interconnection cable of 2 + 1.5 m with a female DIN 8 connector for connecting to the control unit interconnection cable or the previous microphone and two male DIN 8 connectors for connecting to the microphone and extending the line to the next microphone.



- 2.- Connect the extension cable to one of the 4 sockets in the group (DELEGATES) in the control unit. In each one of the 4 lines a maximum of 30 microphones can be connected. Connect the other end of the extension cable to an interconnection cable in the “Y” of a microphone. One of the branches of the cable in the “Y” connection must be connected to the microphone, while the other branch allows the line to be extended to the next microphone.

As many microphones as you wish can be connected (up to a maximum of 30 units per group, in total a maximum of 64 units in the whole installation).

- 3.- If you wish, connect some of the line level outputs (balanced XLR or unbalanced RCA) to an amplifier input. Similarly, a recording device can be connected to the REC output.
- 4.- Use low impedance loudspeakers 4-16  $\Omega$  to connect them to the loudspeaker output of the central unit's amplifier so as to be able to reproduce the sound of the conference.
- 5.- Connect the control unit to the power supply socket 230 V AC and switch on the device using the switch.
- 6.- To speak through a microphone, press the activation button. When you have finished speaking, deactivate the microphone by pressing the same button again. If the microphone is active, the LED ring will light up.
- 7.- The president microphone can deactivate the delegate microphones at any time by pressing the priority button PRIOR,



## TECHNICAL SPECIFICATIONS

	<b>SCF-550</b>
<b>CHARACTERISTICS</b>	Power supply control system. Amplifier incorporated. Control of number of microphones in use. Recording or distribution output. Allows the connection of up to 64 microphones. (extendable to up to 250 ENQUIRE)
<b>POWER</b>	2 x 50 W RMS at 4-16 $\Omega$
<b>RESPONSE</b>	40-18,000 Hz
<b>CONTROLS</b>	Mic.1: volume Aux: volume Monitor: volume Internal microphone loudspeaker: volume Bass and treble control General volume Selector of number of microphones in use Volume of microphone loudspeaker monitor
<b>INPUTS</b>	4 groups of microphones, DIN8 1 unbalanced mic., 6.3 mm jack 1 efx in, 6.3 mm jack 1 aux, RCA
<b>OUTPUTS</b>	1 balanced master, XLR 1 line out, RCA 1 recording, 2 x RCA 1 efx out, 6.3 mm jack
<b>POWER SUPPLY</b>	230/115 V AC, 500 W
<b>DIMENSIONS</b>	488 x 87 x 400 mm depth. 2 U 19" rack
<b>ACCESSORIES</b>	1 extension cable 13 m for microphone interconnection, male DIN 8 to female DIN 8 For other lengths ENQUIRE 1 x 2 m audio cable XLR 1 x 1.5 m audio cable RCA to 6.3 mm mono jack



	<b>SCF-560P</b>
<b>CHARACTERISTICS</b>	President microphone with speech priority and possibility of cancelling delegate microphones. Loudspeaker monitor incorporated. Metal microphone base. LED ring and buttons with backlight.
<b>MICROPHONE</b>	Unidirectional electret condenser
<b>RESPONSE</b>	40-18,000 Hz
<b>INDICATORS</b>	LED ring and buttons with backlight.
<b>INPUTS</b>	Power supply and audio, DIN 8 female interconnection 1 mic., 3.5 mm jack
<b>OUTPUTS</b>	1 headphones, 3.5 mm stereo jack 1 audio, female DIN 8 interconnection
<b>POWER</b>	2 W RMS
<b>DIMENSIONS</b>	Gooseneck microphone: 410 mm height Base: 170 x 67 x 150 mm depth
<b>ACCESSORIES</b>	1 Y interconnection cable, 2 male DIN 8 to female DIN8 Mono earphone Foam windshield 1 tie-clip microphone

	<b>SCF-570D</b>
<b>CHARACTERISTICS</b>	Delegate microphone. Loudspeaker monitor incorporated. Metal microphone base.LED ring and buttons with backlight.
<b>MICROPHONE</b>	Unidirectional electret condenser
<b>RESPONSE</b>	40-18,000 Hz
<b>INDICATORS</b>	LED ring and buttons with backlight.
<b>INPUTS</b>	Power supply and audio, female DIN 8 interconnection
<b>OUTPUTS</b>	1 headphones, 3.5 mm stereo jack 1 audio, female DIN 8 interconnection 1 recording, 3.5 mm jack
<b>DIMENSIONS</b>	Gooseneck microphone: 410 mm height Base: 170 x 67 x 150 mm depth
<b>ACCESSORIES</b>	1 Y interconnection cable, 2 male DIN 8 to female DIN 8 Mono earphone Foam windshield

## DECLARATION OF CONFORMITY

### FONESTAR SISTEMAS S.A.

Polígono de Trascueto s/n  
39600 Revilla de Camargo, Cantabria (Spain)

Declares, under its responsibility, that the following equipment:

**Description:** Conference and congress system

**Brand:** FONESTAR

**Model:** SCF-550, SCF-560P, SCF-570D

complies with the European Community Directives 2004/108/EC on Electromagnetic Compatibility, 2006/95/EC on Low Voltage and 2011/65/EU on the restriction on the use of certain dangerous substances in electrical and electronic appliances (RoHS).

Santander, 21st December 2015

  
Juan Vallejo

Technical Engineer, Sales Department

## 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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