BIOSMART

DC Electric Blanket with Wireless Remote Control



Notice to Customers

This is a far-infrared blanket. It is not designed to generate radiant heat that exceeds your own body temperature by more than 6 degrees. It is not designed to keep your bed "hot" like a warming blanket, though it will raise the temperature of the bed above body temperature. This blanket uses about half (50%) as much energy as a conventional electric blanket. It uses safe DC current so it does not produce an electromagnetic field that can interfere with your body's own metabolic functions and sleep cycle.

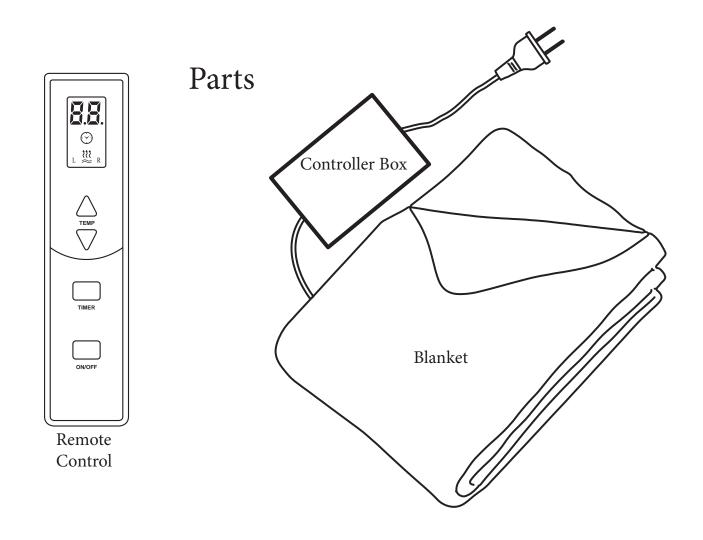
Your body is composed mostly of water. Water absorbs and generates far infrared waves in order to maintain your body's own metabolic functions. Other frequencies of heat in a different wave length other than our BioSmart infrared blanket will feel noticeably hot and uncomfortable. This is because lower or higher wave forms of infrared heat are not as easily absorbed by the body and the body resists absorption of the heat.

The noticeable difference in a BioSmart infrared blanket is that while the far infrared waves in the blanket may appear cooler to the touch, they are absorbed more quickly by the body and generate more body heat quickly to maintain your metabolic functions. You feel warmer faster. It's perfectly safe, it's compatible with your body's own metabolism, and it's the closest thing to nature for getting a good nights sleep.

So go ahead and turn your thermostat down and enjoy the best night's sleep you can get under a BioSmart Infrared Blanket.

With Warmest Regards,

BioSmart Technologies



DC Electric Blanket with Wireless Remote Control

Model: <u>AM-020D</u>

User Manual

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Welcome

Thank you for purchasing a BioSmart Far Infrared blanket. Not all warming blankets are created equal and we would like to take a minute to explain to you some of the unique advantages that this BioSmart Far-infrared Blankets has to offer you and your family.

First of all, the blanket itself is layered in a particular way so as to capture a certain amount of body heat, measure that against your comfort settings, and then provide gentle supplemental deep penetrating warmth to the entire body. This patented blanket is unique because it produces a specific type of infrared heat that the body can absorb quickly.

Secondly, the low voltage DC power supply is specially designed to reduce energy consumption and maintain your comfort setting. This unique patented controller produces low voltage¹ DC pulses to the blanket that cannot interfere with Delta Wave brain patterns during sleep². A standard³ AC current is counterproductive to both healthy brain and body functions.

Third, your BioSmart blanket is equipped with the latest remote control technology. This patented remote control system monitors your blankets functions and provides you with information regarding the blankets operation and complete fingertip control over your preferences when using the blanket. There are no wires or cords to trip-over between the blanket and the remote controller.

We hope you will enjoy the comfort and therapeutic advantages of using a BioSmart DC electric blanket. You can feel the difference. One nights sleep will convince you that this was a wise investment. Know that you are saving money as well while you sleep under the most comfortable therapeutic blanket that "Technology by BioSmart" has to offer.

Once again, thank you for purchasing a BioSmart electric blanket.

BioSmart Technologies Team

^{1 18} volt

² Brain patterns during sleep average 4-6 Hz. The BioSmart electric blanket operates at 1 Hz. Even when fully awake, the brains DC current pulses average 24-27 Hz.

^{3 50-60}Hz

BioSmart[™] Electric Blanket Features

- This BioSmart electric blanket with LCD screen utilizes a "smart-set"[™] comfort controller. It transfers soothing far-infrared heat to the body utilizing a patented pulse-control system providing low-voltage DC current to the blanket in accurate incremental levels of heat.
- The "smart-set"TM constant temperature control provides 10 incremental levels of heat to obtain the perfect temperature desired by the user.
- The "smart-set"[™] controller allows the user to automatically shut off the blanket at any time between 1 to 12 hours. No need to worry about forgetting to turn the controller off.
- The use of the low voltage DC power supply ensures both the users safety and the health benefits to be derived from the infrared blanket without electromagnetic low frequency emissions as with ordinary 120 volt electric blankets.
- The universal AC-DC power converter allows you to use your electric blanket anywhere in the world with only an adaptor plug. Take it everywhere you go.
- The blanket is composed of layers of special anti-static cotton and synthetic materials that are designed to safely transfer therapeutic infrared heat to the body.
- The special coated wiring in the blanket is virtually undetectable making it feel just like a conventional blanket.
- The blanket is washable or it can be soaked in fine fabric soap and drip dried. (See washing instructions for cleaning options).

Getting Started

Please take the time to review this user manual. Become familiar with the LCD screen (*See "Operating" on page 10*) on your remote so that you know and understand the meaning of the symbols and numbers that appear on the screen. You will enjoy your blanket more if you understand the functions and operation of your remote.

- Be sure to read the "Safety Precautions" guidelines (*Pages 5-7*) before use.
- In order for the remote to work, it needs to be syncronized with the blanket (*See "Code Matching" on page 10*).
- On the Warranty card, you must fill in the date and location of purchase, and save the card with this manual.

Definition of Symbols			
Symbol	Description		
	Caution Failure to follow these steps may lead to fire or personal injury.		
	Prohibited		
	Usage guidlines Recommended action for the proper usage of the blanket.		

Safety Precautions

For personal and property safety, please follow the precautions outlined in this section. • Depending on the usage error, the respective consequences may result.

If abnormal failure occurs, stop usage, unplug the AC plug, and contact your dealer.

Examples:

- Abnormal smell or sound.
- When turned on, there is abnormal electric charging activity.
- Abnormal heat on the power supply cord or plug.
- The internal heater overlaps or squeezes together.

Health Warning

To avoid low-temperature burns and/or dehydration:

- Avoid using blanket in high temperature environments or for a prolonged period of time.
- Supervise use by those who cannot adjust the temperature themselves (infants, medical patients, etc.).
- Supervise use by those who are taking drugs (sleeping pills, cold medication, etc.), are under the influence of alcohol, or are excessively fatigued.

If you have a heart problem or use a pacemaker, please consult your doctor for advice before using this product.

Electrical Hazard			
		 Fully insert the plug into the power socket. →If not fully plugged in, it may easily lead to electric shock or heat. Do not use damaged plug or loose sockets. 	
		When you unplug the AC plug, grasp and pull the top of the plug. →If you often pull on the AC wire instead of the plug, the AC line can be damaged and cause electric shock, short circuit, or a fire.	

Electrical Hazard			
		Do not use wet hands to plug or unplug the AC power plug. →This may easily induce an electric shock.	
	the the test	Do not poke or stick anything into or onto the plug, such as needles. Avoid excess weight or pressure. (<i>4pin plug is for single, 6pin plug is for double blanket</i>). →It is very easy to damage the plug.	
		Do not let the power cord or plug get damaged (4pin plug is for single, 6pin plug is for double blanket). →After damage, the life duration or electric conduction will decrease. For repair, contact the relevant sales personnel.	
		 Do not let water or any other liquids spill on the controller, plug, or socket. →This will easily lead to smoke or fire. This is because the plug and controller are not waterproof. 	
		 Do not separate or remove the electric blanket, the cord, or the controller. →This may easily cause a short-circuit, electric shock, or fire. For repair, contact the relevant sales personnel. 	
		Do not let infants or young children lick the outlet. →Licking can easily lead to electric shock.	

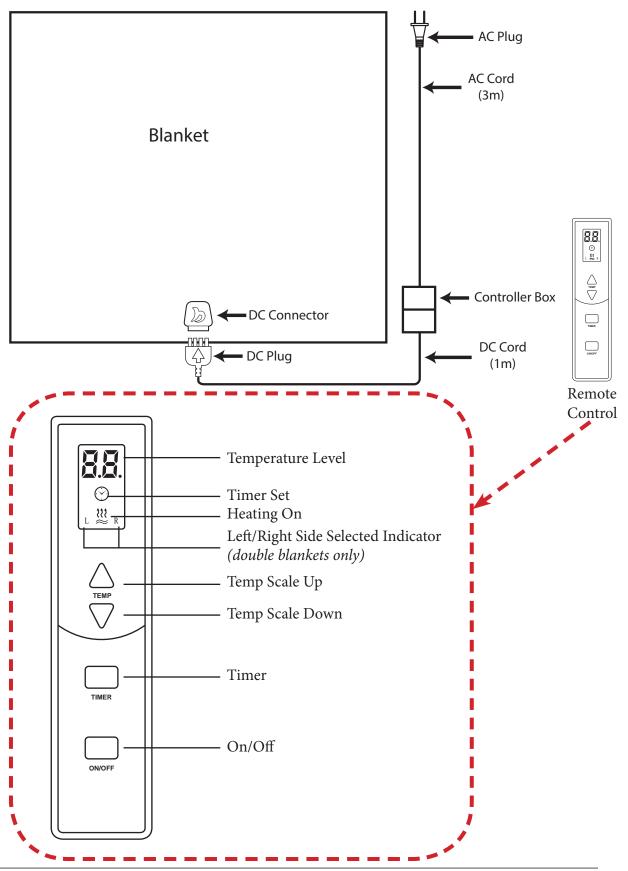
Usage Precautions

For personal and property safety, please follow the precautions outlined in this section. • Depending on the usage error, the respective consequences may result.

	R	Do not use the electric blanket as an animal's heating facility. →This is because animals may damage the blanket, power cord, and controller.
		Do not use the blanket as an ironing board. →This is because the iron is too hot and can easily damage the blanket or initiate a fire.
		Do not use mothballs or any sort of insect repellant. →There may be damages to the blanket and the controller.
		Do not use high temperature power in the drying machine or a heater. →This may burn the blanket or damage the dryer/ heater.
	55	Do not use a blanket dryer to dry. →High temperature can cause damage to the blanket or electric wires.

		Do not put the remote control under your body or heavy weights. →This can damage the remote and cause it to malfunction.
		Do not use ultra-short wave electric treatment equipment on or near the electric heating blanket. →This will easily lead to a controller failure.
	1000 × } / / / / / / / / / / / / / / / / / /	Do not use strong wave wireless equipment on or near the electric heating blanket. →This will easily lead to a controller failure.
		Remove dust from the power plug often (<i>4pin plug is for single, 6pin plug is for double</i>). →Dust and moisture can easily lead to poor insulation. •Remove the power cord and wipe with a dry cloth.

Parts and Functions



Usage Instructions

To use the remote, make sure the 3 AAA batteries (included) are installed correctly. The remote will light up when any button is pressed if the batteries have been installed properly.



Before operating the blanket: The code in the remote control was matched to the blanket's power supply at the factory. Sometimes this prodcedure needs to be repeated after the batteries are inserted (*See "Code Matching"*, *below*).

Code Matching

Before code matching, please **disconnect the AC power plug of all other wireless remote control electric blankets** in the house to prevent interference with the code matching operation.

Begin by **unplugging the power supply** from the wall. Get the remote, or both remotes in the case of a queen or king blanket, ready for matching. You have one minute, once you start, to complete this operation or the remote will exit code matching and you will have to restart.

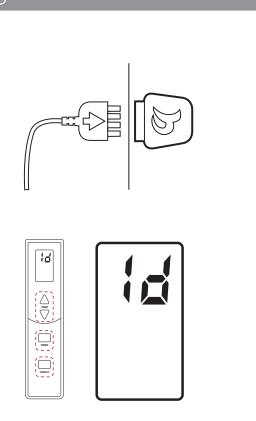
A) **Press any key** on the first remote to illuminate the remote.

B) After the remote is illuminated **press all four keys** at one time (yes, all 4 keys) until the "ld" is shown on the LCD display.

C) Immediately **repeat the process for the second remote** while the first remote is illuminated and showing "ld".

D) With both remotes illuminated and showing the "ld" in the LCD display quickly **plug in the power supply**.

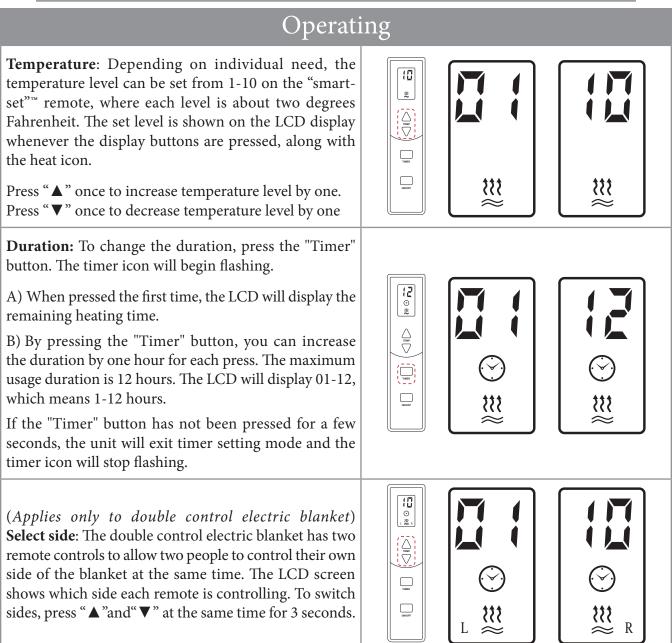
You should hear a series of 6 beeps from the power supply indicating that it is matching the remotes to the power supply. Once this is accomplished the remotes have been matched and the blanket is ready for operation.



Operating

To Turn the blanket ON: Press the "On/Off" button and the screen will illuminate to indicate temperature level 10 as the default setting. **Press the "On/Off" button** again and the heating icon will appear on screen and the blanket will start heating.



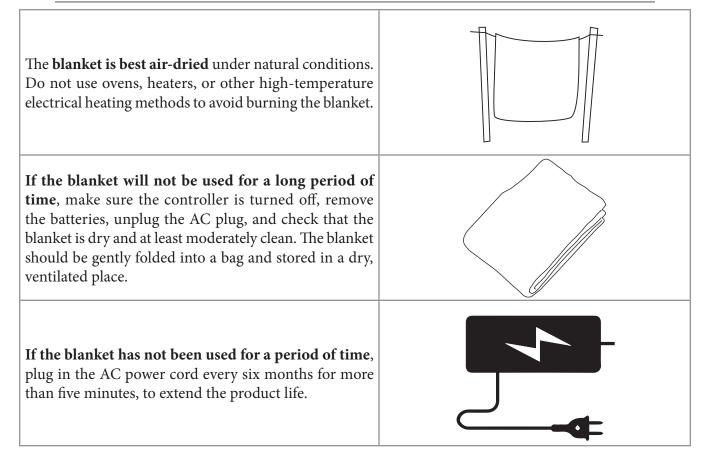


When any button is pressed, the LCD screen will light up indicating the current status of the blanket. If the infrared heating symbol does not appear on the LCD screen, it means that the blanket is off. Set the new heat duration time and press the "On/Off" button to activate the blanket. The heat icon will reappear.

If heating duration is set, the electric blanket will shut off automatically after the duration has been reached. If the duration is not set, the blanket is in stand-by mode and the heat will not come on. To turn the blanket off prior to the end of the duration time, simply push the "On/Off" button.

Care and Storage

When plugging or unplugging the AC power, hold the head of the plug. Do not pinch the wire or line part of the plug and pull, to keep the AC plug from being damaged. Before and during use, try to keep the blanket in its natural state, smooth and without folds or creases. Often **use a dry cloth** to wipe the AC cord, thermostat plug, and socket to keep them dry. Do not immerse in liquids, to avoid corrosion (4pin plug is for single, 6pin plug is for double blanket). When cleaning, unplug the power cord. Do not use a brush to clean the blanket otherwise it may result in uneven patches, ripping, and other consequences. When washing the body of the electric heating blanket, it is recommended that the water temperature be in the range of 5 °C~40 °C.



Common Questions And Troubleshooting Tips

Error Codes			
	If "E1" appears on the display screen, then there is a poor connection between the DC plug and the blanket. Please turn off the blanket and check the connection.		
53	If "E2" appears on the display screen, it means that the blanket temperature is too high. Check to see if the blanket has excessive wrinkles and smooth out the blanket if necessary. Wait 15 minutes before using the blanket again.		
	If "Lo" appears on the display screen, it means the battery power is low. Replace the batteries to continue normal use.		

Additional Problems and Solutions			
Problem	Solution		
There are lint balls on the blanket,	Unplug the DC plug and use a lint remover to clean.		
The blanket body, control box, plug, or socket is damaged.	Stop using immediately and have the blanket repaired.		
Mechanical failure or problem, such as blanket does not heat or the blanket controls malfunction.	First, check the batteries in the remote control. If this does not solve the problem, call the BioSmart hot-line to determine how best to proceed. It may be necessary to send in the blanket for repair.		

Specifications

NO.	Size	Dimensions (WxL in CM)	Color	Material	Control Type	AC Plug Type	Box Size (LxWxH in CM)	
1	Throw	150*125	Crème/ Mocha/ Merlot		Circolo		50*10*43	
2	Full	190*210		– Mocha/	Polar	Single	UK/GS/	64*16*43
3	Queen	220*220			Fleece	Double	UL/3C	75*20*43
4	King	250*220			Double		85*20*43	

Warranty & Service Information

Purchase Store:_____

Purchase Date:_____

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BioSmart 3 Year Limited Warranty for Infrared Blankets

BioSmart Technologies, Inc. gives you the following limited 3 year warranty for its infrared blankets only if it was originally purchased for

BioSmart Technologies will repair or replace, free of charge, to the original purchaser, any part that is found defective in material or workmanship esidential use, not for resale, from and authorized BioSmart Website or an authorized BioSmart Dealer.

period along with proof of purchase from an authorized BioSmart Dealer. BioSmart with replace or repair the blanket at its discretion and return the within the 3 year limited time period based on the date of purchase and the specific product model number. Unless otherwise agreed to by prearrangement with your dealer, should a blanket fail for any reason, it may be returned postage pre-paid to our service center during the warranty planket postage paid to the customer.

This limited warranty does not apply to any part subjected to abuse, alteration, misuse, or damage caused by an act of God or the use of voltages This limited warranty does not cover the replacement of expendable or consumable parts such as batteries or damage caused by neglectful acts. Note: Only high-quality Alkaline Batteries should be used and replaced on a yearly basis or sooner if warranted to prevent damage to the remote.

other than those noted in the owner's manual for this product.

BioSmart Technologies. If you purchased this product from any other source, your purchase is "as is", which means that BioSmart grants you no 3ioSmart Technologies. BioSmart's limited warranty is valid only if you retain proof of purchase for this product from an authorized dealer of warranty. You must assume the entire risk of quality and performance of the product, including the entire cost of any repairs or servicing of BioSmart Technologies does not authorize any person or representative to assume or grant any other warranty obligation on the part of defective parts.

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