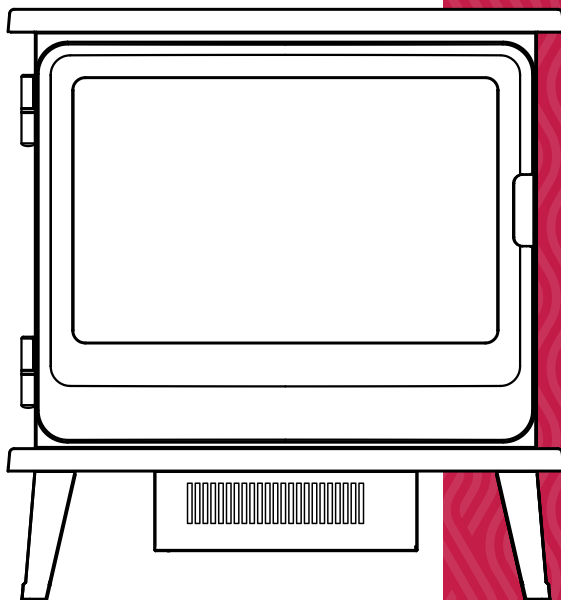


Experience Better Living.

Instruction manual



Models:

BMS20-LED

FOR20-LED

PML20-LED

FOR20-III-LED

SMF20-III-LED



This product complies with all the required Product Safety, Electromagnetic Compatibility and Environmental Standards. This product is fully compliant with the LVD, EMC, RoHS and Eco Design Directives.

This product is only suitable for well insulated rooms or occasional use.

8/55362/0 Issue 1 OCN -----

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Important information



Read these instructions carefully and retain for future reference. Also note the information presented on the appliance. Failure to follow these instructions may cause injury, damage, or invalidate your guarantee.

General Usage Guidelines

- This appliance is intended for normal domestic household use only and must not be used for any other purpose.
- **Do not** use the heater outdoors, near water sources such as baths, showers, or swimming pools, or immediately below a fixed socket outlet or connection box.
- Ensure the appliance is placed on a horizontal and stable surface or securely fixed to the wall, as applicable.
- Unplug the appliance when not in use for extended periods or in the event of a fault.

Overheating and Fire Risks

- **WARNING:** The appliance carries a “**DO NOT COVER**” warning label. Ensure this warning is adhered to at all times.
- **Do not** use the heater to dry laundry or place any material or garments on the appliance, as this could cause overheating and fire risks.
- Keep all combustible materials—such as curtains, drapes, textiles, and furnishings—**at least 1 metre** from the front, sides, rear, and air outlet of the heater, and ensure the appliance is never covered or obstructed to prevent overheating and fire risks or obstruct air circulation around the appliance.
- **Do not** use the heater on deep pile carpets or long-haired rugs.



Electrical Safety

- This appliance must be earthed.
- The appliance must be positioned so that the plug is accessible.
- Ensure the voltage marked on the heater corresponds to the supply voltage. Use only an alternating current supply (~).
- **Do not** use with extension leads, multi plug adaptors, or automatic controllers such as timers or thermostats that automatically switches on the heat, as these can cause overheating or fire risks.

Caution Around Children and Vulnerable Adults

- Children under 3 years of age should be kept away from the appliance unless continuously supervised.
- Children aged 3 to 8 years may only switch the appliance on/off if it is installed in its intended position and they have been instructed on safe use. They must not plug in, regulate, clean, or perform maintenance on the appliance.
- Children aged 8 years and above, as well as individuals with reduced physical, sensory, or mental capabilities, may use the appliance only under supervision or with proper instruction on safe usage.
- Children must not play with the appliance. Cleaning and maintenance must not be performed by children without supervision.
- Some parts of this product can become very hot and cause burns. Exercise caution, especially around children and vulnerable individuals.
- Do not use this heater in small rooms occupied by individuals unable to leave the room on their own unless constant supervision is provided.

WARNING: KEEP BATTERIES OUT OF REACH OF CHILDREN

The remote control for this appliance contains a small battery. To avoid risk of choking, keep this remote away from children and do not swallow the battery. If the battery is swallowed seek medical advice immediately.



1. Swallowing may lead to serious injury in as little as two hours or death, due to chemical burns and potential perforation of the oesophagus.
2. If you think batteries might have been swallowed or placed inside any part of the body seek immediate medical attention.
3. Examine devices and make sure the battery compartment is correctly secured, e.g. that the screw or other mechanical fastener is tightened. Do not use if the compartment is not secure.
4. Dispose of used button batteries immediately and safely. Flat batteries can still be dangerous.

Caution: No obvious symptoms.

Unfortunately, it is not obvious when a button or coin battery is stuck in a child's oesophagus (food pipe). There are no specific symptoms associated with this. The child might:

- cough, gag or drool a lot;
- appear to have a stomach upset or a virus;
- be sick;
- point to their throat or stomach;
- have a pain in their abdomen, chest or throat;
- be tired or lethargic;
- be quieter or more clingy than usual or otherwise "not themselves";
- lose their appetite or have a reduced appetite; and
- does not want to eat solid food/be unable to eat solid food.

These sorts of symptoms vary or fluctuate, with the pain increasing and then subsiding.

A specific symptom to button and coin battery ingestion is vomiting fresh (bright red) blood. If the child does this seek immediate medical help.

The lack of clear symptoms is why it is important to be vigilant with "flat" or spare button or coin batteries in the home and the products that contain them.

Technical information

Heat output

		230V		240V	
Nominal heat output	P_{Nom}	1.8	-	2.0	kW
Minimum heat output	P_{min}	1.0	-	1.1	kW
Maximum continuous heat output	$P_{max,c}$	1.8	-	2.0	kW

Auxiliary electricity consumption

		230V		240V	W
In standby mode	el_{SB}	0.45	-	0.48	W
Flame only mode		125	-	135	W

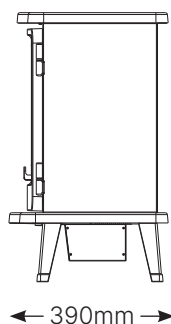
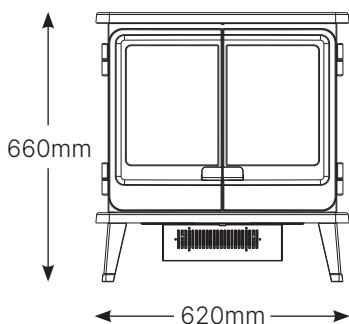
With mechanic thermostat room temperature control. Frequency band this appliance operates in: 2.4 GHz. Maximum radio-frequency power transmitter in the frequency band(s) this product operates in: 2.71dBm.

Weight

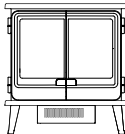
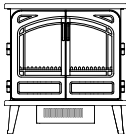
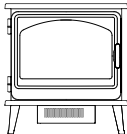
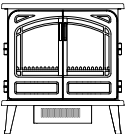
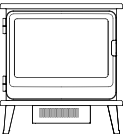
24KG: FOR20-III-LED, SMF20-III-LED

22KG: FOR20-LED, BMS20-LED, PML20-LED

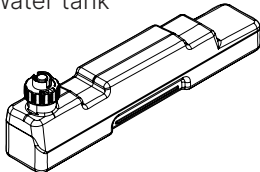
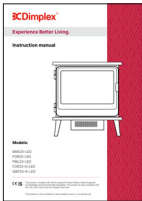
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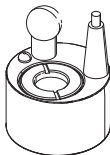
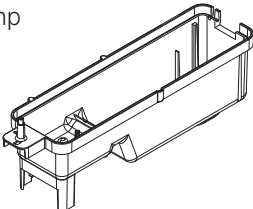
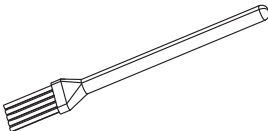
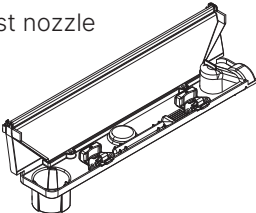


What's in the box

Optimyst Stove					x1
					
BMS20-LED	FOR20-LED	PML20-LED	FOR20-III-LED	SMF20-III-LED	

Remote	Log set	Power cord	x1
			

Water tank	Manual	x1
		

Other removable parts for cleaning and maintenance			
Transducer	x1	Sump	x1
			
Cleaning brush		Mist nozzle	
			

What is Optimyst?

Optimyst products use advanced water vapour technology to create an ultra-fine mist, illuminated by LED lighting to produce a remarkably lifelike flame and smoke effect. A built-in water reservoir generates the mist, bringing the flames to life and adding depth and realism to the fire experience.

We've listed some tips below to make the most of the realistic flames.

1. We recommend to use filtered tap water to reduce the build up of debris, such as limescale, especially in hard water areas.
2. Do not use deionised or distilled water, the transducer activates by sensing minerals in the water.
3. A conventional domestic filter jug is recommend and remember to replace the filters regularly.
4. The water tank will need to be refilled regularly. The average run time of a full water tank is 8-10 hours, depending on the flame setting and water quality.
5. On first use one full water tank will fill the sump. You will need to refill the water tank again.
6. Regular cleaning of the tank, mist nozzle, transducer and sump are recommended to keep the flame at its best - see maintenance for more details.
7. There is a warm up sequence when you first turn the product on. Please allow up to 45 seconds for the flames to appear.
8. From time to time during the lifespan of your product the transducer, which is the heartbeat of the Optimyst effect, will need to be replaced. Ensure you are choosing genuine Dimplex parts for optimal performance.
9. If the room temperature is different to that inside the stove, you may need to open the door slightly to prevent condensation. Once temperatures adjust the doors can be closed.
10. Depending on the lighting and temperature of your room, the flame setting may need to be adjusted. Warm dark rooms can generally use a lower flame setting. Colder brighter rooms may require higher flame setting.

Other information to note:

1. When used in an environment where background noise is low, it may be possible to hear the operation of the flame effect. This is normal and should not be of concern.
2. A protective coating is applied to the heating components during manufacturing. As a result, a slight odor may be noticeable during the first few uses.
3. Be careful when looking directly into the appliance as the LED lights are very bright.
4. Always drain the water from the sump and water tank before moving the product or If the product will not be used for longer than a week.
5. Optimyst products are coated with Silver Biocide, an antimicrobial agent. This conforms with the latest relevant ISO standards.
6. When the heat is turned off, the fan continues to operate for a further 30 seconds to dissipate residual heat.
7. If the temperature of the thermostat is set lower than the room temperature the heater will not turn on. If this happens increase the set temperature of the thermostat.

Installation

Before you start

1. Remove all items from the packaging and read any warning labels carefully.
2. This model is designed to be free standing. Always ensure that the appliance is sitting on a level surface.
3. If positioning the appliance in front of an open chimney it is recommended to block it off to help reduce heat loss and draft up the chimney and ensure efficient operation of the heater.
4. When positioning the appliance please allow enough space to be able to access and open the door(s) for maintenance.

Setting up the appliance

1. Fill the water tank with filtered tap water - see section: Operating your fire, Filling the water tank - for more information.
2. Connect the power cord to the back of the appliance. Plug into the wall socket and switch ON.
3. Turn switch A to the ON position (I) (Fig.1).
4. Place the log set into the appliance ensuring it fits securely in place.
5. Place the appliance into the final desired location.

Operating the fire

Remote control

The product is supplied with a multifunction Bluetooth remote control. The remote control comes with batteries fitted. Pull out the plastic tabs completely in order to engage the batteries.

Standby

Press to turn ON.

Press to turn to STANDBY.

Allow up to 45 seconds for the warm-up sequence before the flame effect starts.

Timer

Press repeatedly to set the duration of the timer. The appliance goes into standby after the time has elapsed. The timer can be set from 30 minutes (display shows 0.5Hr) to 8 hours in intervals of 30 minutes. To turn off the timer cycle through until OFF is displayed. While the timer is active, press the timer button to see the time remaining.

Heat mode selection

Press repeatedly to cycle through the different heat modes:

OFF: The heater is off.

LOW: The heater is on and is functioning at half heat output.

HIGH: The heater is on and is functioning at full heat output.

Decrease temperature

Press to decrease the temperature setting. The temperature can be set from 15°C to 30°C (59°F to 86°F).

Decrease flame intensity

Press to decrease the flame intensity. Flame intensity range F1-F6.

Decrease volume

Press repeatedly (or press and hold) to decrease the volume level. Sound range OFF-VOL6

Heat

Press to turn the heat on or off. When the heat is turned on, the display briefly indicates the set temperature (##ST), followed by the ambient room temperature. When the heat is turned off, the fan continues to operate for a further 30 seconds to dissipate residual heat.

Increase temperature

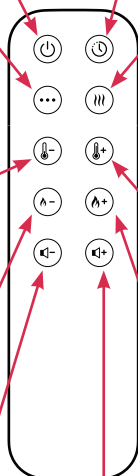
Press to increase the temperature setting. The temperature can be set from 15°C to 30°C (59°F to 86°F).

Increase flame intensity

Press to increase the flame intensity. Flame intensity range F1-F6.

Increase volume

Press repeatedly (or press and hold) to increase the volume level. Sound control range OFF-VOL6.



Manual controls

The manual controls are located behind the door(s). Use the - and + buttons to cycle through the menu options shown below.



Press	Display	Function	Actions		
		Turn appliance ON	A beep will sound and the flame lights will turn on. Allow up to 45 seconds for the warm-up sequence of the flame effect. The digital display will show the room temperature for a few seconds.		
		Turn appliance to STANDBY	The flame effect, flame lights and heater will turn off.		
x1	HEAT	Heater	Off	Low	High
x2	-°C-	Thermostat	From 15°C		To 30°C
x3	FIRE	Flame	From F1 (low)		To F6 (high)
x4	VOL	Sound	From Off		To VOL6

Additional features

Disable Standby

While the product is running, press and hold the manual standby button for 10 sec. You will hear two beeps when successful. Repeat to enable standby.

Disable Heat

While the product is running, press the 'M' button until the HEAT menu is displayed. While the HEAT menu is displayed, press and hold the M and the - buttons for 8 sec. You will hear a beep and CD52 will be displayed. If you try to turn on the heat with remote or manual buttons, there will be a double beep. CD52 will appear on the display and the heater will not turn on. Repeat the process to enable the heater.

Toggle between deg C and deg F

While the product is running, press the 'M' button until the °C menu is displayed. While the °C menu is displayed, press and hold M and the - button for 8 sec. The menu will change to °F. Repeat the steps to change to °C.

Filling the water tank

The water tank will need to be refilled regularly.

The average run time of a full water tank is 8-10 hours, depending on the flame intensity setting and quality of water.

When the tank is empty, the flame effect will shut off and there are two audible beeps. Follow these steps to refill the water tank:

1. Open the door(s), gently lift out the log set and carefully set aside.
2. Press switch A to the OFF (O) position (Fig.1).
3. Remove the water tank by lifting upwards and outwards.
4. Place the water tank into a sink and remove the lid , turn anti-clockwise to open.
5. Fill the water tank with filtered tap water.
6. Screw the lid back on, do not over tighten.
7. Place the water tank back into the appliance with the lid facing down and the flat side of the tank facing upwards. The lid has a spring that is releases the water, you should hear the water starting to fill the sump.
8. Press switch A to the ON (I) position (Fig.1).
9. Gently place the log set back into position.

Maintenance

General tips

Warning: Always press switch A to the OFF (O) position and disconnect from the power supply before cleaning or maintenance of the appliance (Fig.1).

- For general cleaning use a clean soft duster or damp cloth - never use abrasive cleaners.
- To remove any dust or fluff from the heater grille, the soft brush of a vacuum should be used.
- Parts can be cleaned with usual dish soap and warm water - make sure to rinse well.
- To help prolong the life of the appliance filtered tap water is recommended.
- If you intend to move the appliance, or it will not be used for longer than a week, remove and empty any water from the sump and water tank.

Cleaning

We recommend cleaning the following components regularly, particular in hard water areas. If you can visibly see a build up of debris or limescale it is important to remove it to keep the appliance clean.

Water tank

1. Remove water tank, as described earlier, and empty the water into a sink.
2. Using the supplied brush, gently rub the inside surfaces of the lid paying particular attention to the rubber ring in the outer groove and the centre rubber seal.
3. Put a small quantity of washing up liquid into the tank, refit the lid and shake well, rinse out until all traces of washing up liquid are gone.
4. Refill with filtered tap water only, replace the lid, do not overtighten.

Transducer, sump and mist nozzle

1. Open the door(s), gently lift out the log set and carefully set aside
2. Press switch A to the OFF position (0) (Fig.1).
3. Remove the water tank by lifting upwards and outwards.
4. Disconnect the electrical connector (Fig.2).
5. Pinch open the red clips (Fig.3).
6. Gently lift up the mist nozzle and set aside (Fig.4).
7. Lift out the sump being careful not to spill any water left inside it.
8. The transducer is secured in the sump by a small clip. Pull back the clip to allow the transducer to be removed from the sump. Empty the water into a sink.
9. Put a small amount of washing up liquid into the sump, and using the supplied brush, gently clean all surfaces in the sump and gently clean the transducer including the metal discs located in the top grooved surface.
10. When cleaned, thoroughly rinse the sump and transducer with clean water to remove all traces of washing up liquid.
11. Clean the mist nozzle with the brush and flush out thoroughly with water.
12. Reverse the above steps to reassemble.

Replace remote batteries

1. Remove battery cover of the remote control using a Philips screwdriver (Fig.5).
2. Install two 3 Volt CR2032 batteries in the battery holder with the + side facing up.
3. Batteries other than the type specified or a mix of new and old must not be used.
4. Secure the battery cover using the presiously removed screw.
5. Exhausted batteries are to be removed from the remote and recycled or safely disposed of. Check with your local authority or retailer for recycling advise in your area.
6. If the appliance is to be stored unused for a long period, the batteries are to be removed.

Troubleshooting

Symptom	Cause	Corrective action
Two audible beeps / Flame effect turns off.	Water tank / sump is empty.	Refill the water tank.
The flame effect will not start.	Power cord is not plugged in.	Check plug is connected to wall socket correctly and the power cord is securely inserted into the back of the appliance and is turned ON. Ensure Switch A is in the ON (I) position (Fig.2).
	Low water level. Display shows error code (CD51).	Check that the water tank is full and there is water in the sump.
	The electrical connector is not securely fixed (Fig.3).	Ensure the electrical connector is securely connected, pull apart then re connect firmly (Fig.3).
The flame effect is too low.	The Transducer is not sitting correctly in the sump.	Ensure the Transducer is sitting down into the moulded recess in the sump.
	Flame effect control is set too low.	Increase level of flame intensity by using the manual controls or the remote control.
	The Metal Disc in the transducer might be dirty.	Clean the Metal Disc with soft brush supplied. See 'Maintenance.' for a step by step procedure.
Despite all troubleshooting efforts the flame is not working.	The wire from the Transducer is sitting over the metal disc.	Direct the wire to the back of the sump and make sure it sits into the side slot exiting the sump.
	The transducer has reached the end of its lifespan.	Replace the transducer. Spares are available through your retailer or online. Ensure you choose genuine Dimplex parts.

Symptom	Cause	Corrective action
Unpleasant smell when unit is used.	Dirty or stale water. Using unfiltered tap water. Protective coating is applied to the heating components during manufacturing.	Empty any water from the sump and water tank. Clean the appliance as described in the maintenance. Use only filtered tap water. A slight odor may be noticeable during the first few uses.
The flame effect is too high.	Flame effect is set too high.	Reduce the flame intensity using manual controls or remote control.
The heater will not start.	The thermostat is set lower than the room temperature. The heater has been disabled Cerror code (CD52). The thermal safety cut-out has activated.	Increase the set temperature of the thermostat to higher than the room temperature. Check the 'operating the fire' section for disable heat to reverse this action. Ensure nothing is blocking the heater. The appliance should restart after 30 seconds.

Additional information

Guarantee

Your product is guaranteed for two years from the date of purchase.

Within this period, we undertake to repair or exchange this product free of charge provided it has been installed and operated in accordance with these instructions.

Your rights under this guarantee are additional to your statutory rights, which in turn are not affected by this guarantee.

Should you require after sales information or assistance with this product or need to purchase spare parts please speak to your retailer, the place of purchase, in the first instance.

Please retain your receipt as proof of purchase.

For further help and support visit www.dimplexfires.com

Model and serial number

Record the model and serial number here. If you need to contact us in future we will ask for this information to identify your appliance:

Model: _____

Serial Number: _____

Recycling



At the end of the electrical products life it should not be disposed of with household waste. Please recycle where facilities exist. Check with your Local Authority or retailer for recycling advice in your country.

Patent / patent application

Products within the Optimyst range are protected by one or more of the following patents and patent applications:

Great Britain GB 2402206, GB 2460259, GB 2460453 , GB 2418014, GB 2465738, GB 2449925, GB 2465537, GB 2455277, GB1020534.2, GB1020537.5, GB1110987.3

European EP 2029941, EP 2201301, EP 2315976, EP 1787063, EP07723217.1, EP11170434.2, EP 11170435.9

Fig.1

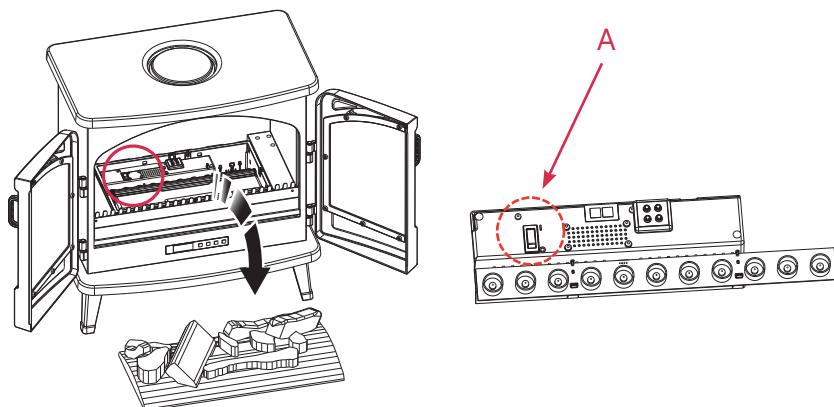


Fig.2

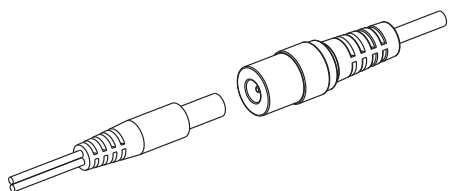


Fig.3

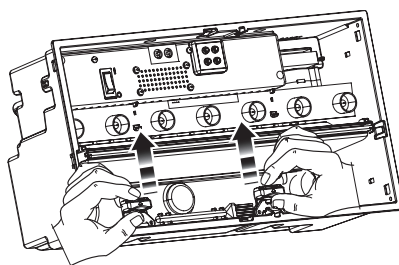


Fig.4

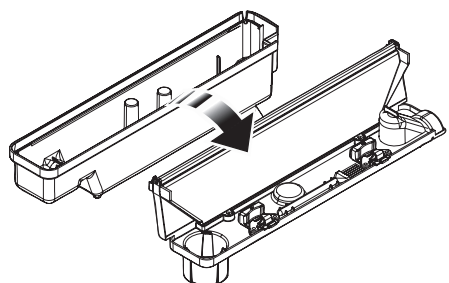
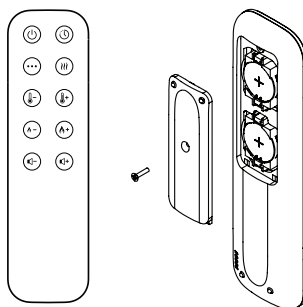


Fig.5





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www.dimplexfires.com

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