brivis
by **Rinnai**

SmartSens
Hybrid Controllers

**For Ducted Air Conditioning
with Gas Boost**

SmartSens Hybrid

What is SmartSens Hybrid?

SmartSens Hybrid Controller takes advantage of both gas and electric power sources to heat your home quickly and efficiently. Gas is used for fast and effective adjustment to get your room to the ideal temperature. Once achieved, SmartSens switches to electric for more efficient running.
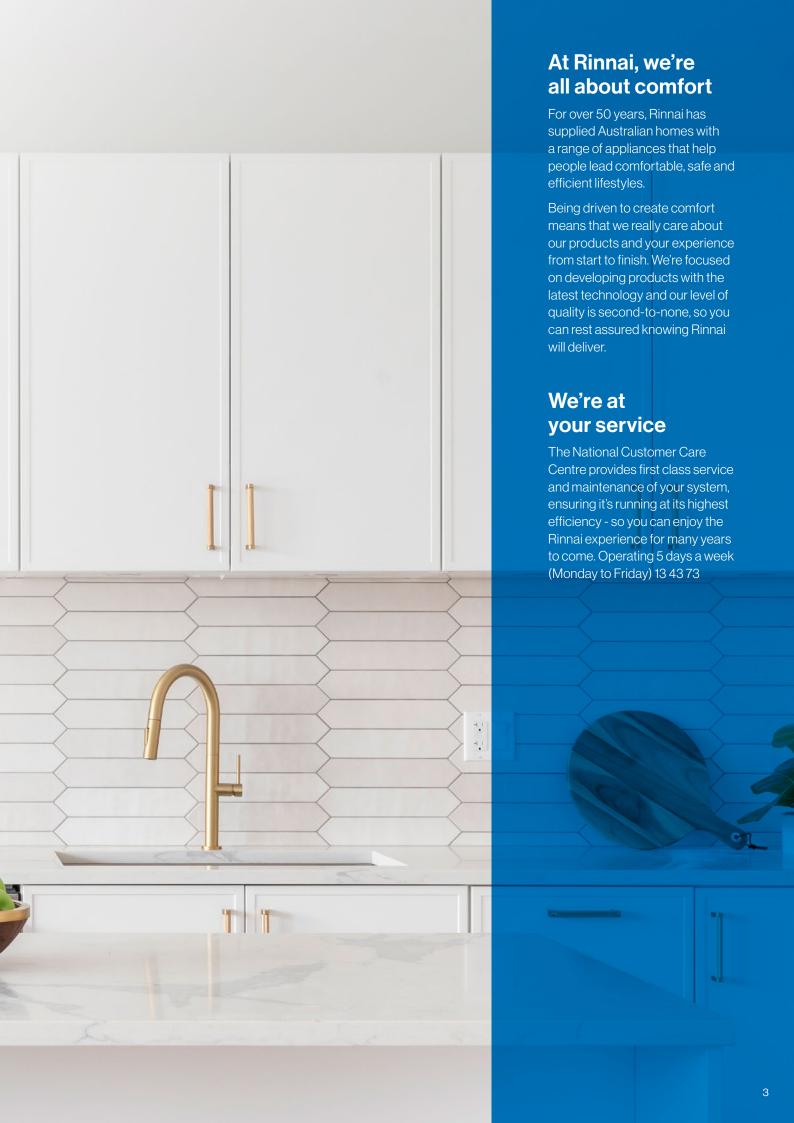
In Manual Mode, users have the option to manually select the energy source for heating or opt for automatic selection in Auto Mode. When Auto Mode is activated, the controller considers ambient temperature to determine the appropriate energy source for heating. For instance, it switches from gas to electricity for heating when the ambient temperature reaches 8°C. Within the temperature range of 8°C to 18°C, the gas heater may supplement heating if desired comfort levels are not achieved within fifteen minutes.

The SmartSens Hybrid Controller is equipped with an easy-to-use rotary dial and a clear LCD screen featuring Electro-Luminescence (EL) backlighting, ensuring optimal visibility in low-light conditions or during nighttime usage.

What's required for SmartSens Hybrid?

If you have a Brivis StarPro & Buffalo BX5 Ducted Gas Heater, it may be configured to a Brivis Add-On ICE inverter - a ducted air conditioning system. A SmartSens Hybrid Controller can be retrofitted to enable the convenience of both gas and electric heating of your home.

At Rinnai, we're all about comfort

For over 50 years, Rinnai has supplied Australian homes with a range of appliances that help people lead comfortable, safe and efficient lifestyles.

Being driven to create comfort means that we really care about our products and your experience from start to finish. We're focused on developing products with the latest technology and our level of quality is second-to-none, so you can rest assured knowing Rinnai will deliver.

We're at your service

The National Customer Care Centre provides first class service and maintenance of your system, ensuring it's running at its highest efficiency - so you can enjoy the Rinnai experience for many years to come. Operating 5 days a week (Monday to Friday) 13 43 73

Features and Benefits

For Ducted Air Conditioning with Gas Boost

Fast Warm Up

It doesn't matter what the temperature is outside, your Brivis Ducted Gas Heater will warm up your whole home before you know it. Switch to electric heat at your discretion or select AUTO operation and the system will make the decision for you.*

Zoning

ZonePlus™ allows you to control up to four individual zones each with their own timer, temperature settings and reduced running costs.

Intelligent

Switching temperature at 8°C ambient, can be configured.

Wi-Fi Enabled

Control your device remotely from outside your home.

Retro-fit

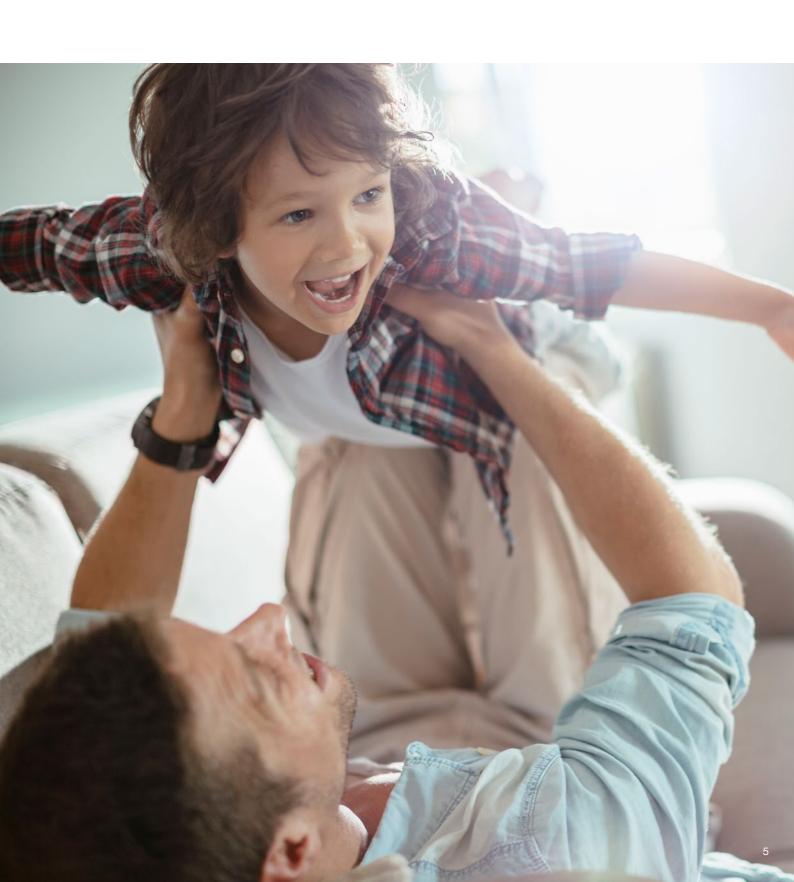Can be retro-fitted on compatible models.

Compatibility

SmartSens Hybrid is compatible with all single phase Brivis Add-On ICE inverter systems, including those installed since 2013. Compatible with all StarPro & Buffalo BX5 Ducted containing N-G2 or N-G3 PCB.

Controls

Tailor your comfort level with our SmartSens Hybrid controller which contains a 7-day program and preset temperature settings for configured zones. The N-T1 zone sensor is compatible with the SmartSens Hybrid system, even those currently configured and operational.

* For AUTO operation the default gas to electric switching temperature is set at 8°C, consult your installer if you would like to change.

Technical Information

Brivis Ducted Gas Heater		Star Rating	Capacity (kW)	Airflow (L/s) @ 100Pa ESP	Duct Connection Pop sizes (mm)	Dimensions (L x W x H)	Net Weight (kg)	Available in LPG / ULPG
StarPro 6 Series								
SP615IN		6.0	15.0	630	300	1021 x 395 x 634	57	-
SP623EN		6.0	23.0	660	300	1046 x 416 x 750	68	-
SP623EN-XA		6.0	23.0	705	350	1046 x 416 x 750	68	ULPG
SP623IN		6.0	23.0	720	300	1021 x 395 x 634	58	-
SP623IN-XA		6.0	23.0	755	350	1021 x 395 x 634	58	ULPG
SP630EN		6.0	29.0	890	350	1096 x 568 x 810	89	-
SP630EN-XA		6.0	29.0	1020	400	1096 x 568 x 810	89	ULPG
SP630IN		6.0	29.0	1085	350	1070 x 547 x 684	78	-
SP630IN-XA		6.0	29.0	1120	400	1070 x 547 x 684	78	ULPG
SP635IN		6.0	35.0	1155	450	1070 x 547 x 684	78	ULPG
StarPro 5 Series								
SP521EN		5.0	21.0	645	300	1046 x 416 x 657	66	-
SP521EN-XA		5.0	21.0	685	350	1046 x 416 x 657	66	-
SP521IN		5.0	21.0	740	300	1021 x 395 x 634	53	-
SP521IN-XA		5.0	21.0	770	350	1021 x 395 x 634	53	-
SP530EN		5.0	30.0	995	350	1096 x 568 x 707	85	-
SP530EN-XA		5.0	30.0	1000	400	1096 x 568 x 707	85	-
SP530IN		5.0	30.0	1110	350	1070 x 547 x 684	71	-
SP530IN-XA		5.0	30.0	1170	400	1070 x 547 x 684	71	-
SP535IN		5.0	35.0	1190	450	1070 x 547 x 684	72	-
StarPro 4 Series								
SP415UN		4.1	15	610	300	845 x 397 x 625	65	-
SP421UN		4.8	21	610	300	845 x 397 x 625	65	-
SP430UN		4.2	30	960	350	923 x 549 x 644	84	-
SP435UN		4.3	35	1062	400	923 x 549 x 644	84	-
Buffalo 5 Star Series								
BX520	300mm base box	5.1	20	545	300	852 x 420 x 775	57	-
	350mm base box			609	350			
BX526	350mm base box	5.0	30	972	350	1028 x 580 x 866	67	-
	400mm base box			1042	400			

Add on ICE™ - DualComfort™						
System Overview			10	13	15	17
Power Supply	V-ph-Hz		220-240-1-50			
Mode			Inverter			
Heating Capacity	Rated Capacity	kW	10.17	13.28	14.80	16.50
	Rated Input Power	kW	3.24	4.23	4.70	5.24
	Capacity Range	kW	4.2 - 11.5	6 - 14.0	6 - 15.0	7 - 16.5
	ACOP		3.10	3.11	3.12	3.12

Add on ICE™ - DualComfort™						
System Overview			10	13	15	17
Power Supply	V-ph-Hz		220-240-1-50			
Mode			Inverter			
Cooling Capacity	Nominal Capacity	kW	10	13	15	17
	Rated Capacity	kW	10.1	13.07	14.57	16.24
	Capacity Range	kW	4.8-11.0	6.3-14.0	7.5-16.0	8.3-16.6
	Rated Input	kW	3.20	4.08	4.67	5.18
	AEER		3.12	3.20	3.12	3.13

Brivis Ducted Gas Heater Compatibility (Table indicates maximum recommended add-on cooling capacity)						
	Brivis ICE™ Inverter					
Heater Range	10	13	15	17	18	22
StarPro 6	SP615I	SP623I, SP623E, SP623E XA	SP623I XA	SP630E, SP630E XA, SP630I, SP630I XA		SP635I
StarPro 5	-	SP521I, SP521E, SP521E XA	SP521I XA	SP530E, SP530E XA, SP530I, SP530I XA		SP535I
StarPro 4 Universal	SP415U, SP421U	-	SP430U	SP435U	-	-
Buffalo BX5	BX520 XA	-	-	BX526	BX526 XA	-
Classic	BX320 XA, 2PW20N XA	BX326C	BX326C XA	2PW26N	2PW26N XA	-
Compact Classic	CC315, CC320, CC320 XA, CC325	CC325 XA	CC330, CC330 XA	-	-	-

Ductwork and fittings for Dual Comfort Systems must be designed and sized by the installer to ensure the minimum cooling airflow requirements are met at all times.
Note: For more information relating to your Ducted Gas Heater and Add-On ICE inverter system please refer to the Ducted Gas Heater brochure.

TOTAL HOME COMFORT

HOT WATER   HEATING   COOLING

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