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1 Purpose of the Altherma LAN adapter

The Altherma LAN adapter will consist of 2 different versions.

- BRP069A61 Altherma LAN adapter with smartgrid functionality
- BRP069A62 Altherma LAN adapter without smartgrid functionality

Both versions will act as a gateway between the Altherma and a smartphone app (local network or server communication). This will open the possibility to control the unit with a smartphone app.

Both versions are using the P1P2 connection to the indoor unit to communicate. The Altherma main PCB software and user interface software P1P2 implementation has been upgraded with LAN adapter compatibility data to support the full LAN adapter features.

2 Overview of compatible Daikin units (CB-platform)

Unit	BRP069A61	BRP069A62	Mass-production integration of hydro software with **full LAN feature support** *(smartphone app + smart grid control)*
EHV/BX-H*CB*	O	O	Hydro software upgrade to support full feature support planned mid-2017
EHVZ*CB* EB/DLQ*CA*	O	O	
EHYHBX-H*AA*	O	O	
EGSQH*AA*	O	O	Hydro software upgrade to support full feature support in mass-production from beginning-2017 onwards
EHV/BX-H*CB* DAB) EHVX-H*CB* (DAUK)	O	O	From first mass-production onwards
CHYHBX-H*AA*	X	O	

User interface	BRP069A61	BRP069A62	Mass-production integration of user interface software with **full LAN feature support** *(smartphone app + smart grid control)*
EKRUCBL*	O	O	software upgrade to support full feature support in MP from mid-2016 onwards From Batch “B” onwards

O = compatible
X = not compatible

	Smartphone app control	**Smart grid control**
Limited LAN adapter features	O	X
Full LAN adapter features	O	O

In following hydro & user interface software the P1P2 implementation does only support the **limited LAN adapter features** *(only smartphone app control)***:**

Hydro software	ID4302(*), ID4562, ID4303(*) ID4563, ID4304(*), ID4564, ID4583, ID6704	(*) No software update possible *(hardware restriction)* *Replace hydro PCB with 512kB CPU type*
User interface software	V01.15.00 V01.16.00	Older user interface sw versions are not supported and should be updated

All features of the BRP069A62 are supported.
Only smartphone app control is supported for the BRP069A61.

In following hydro & user interface software the P1P2 implementation has been upgraded with LAN adapter compatibility data to support the **full LAN adapter features:**

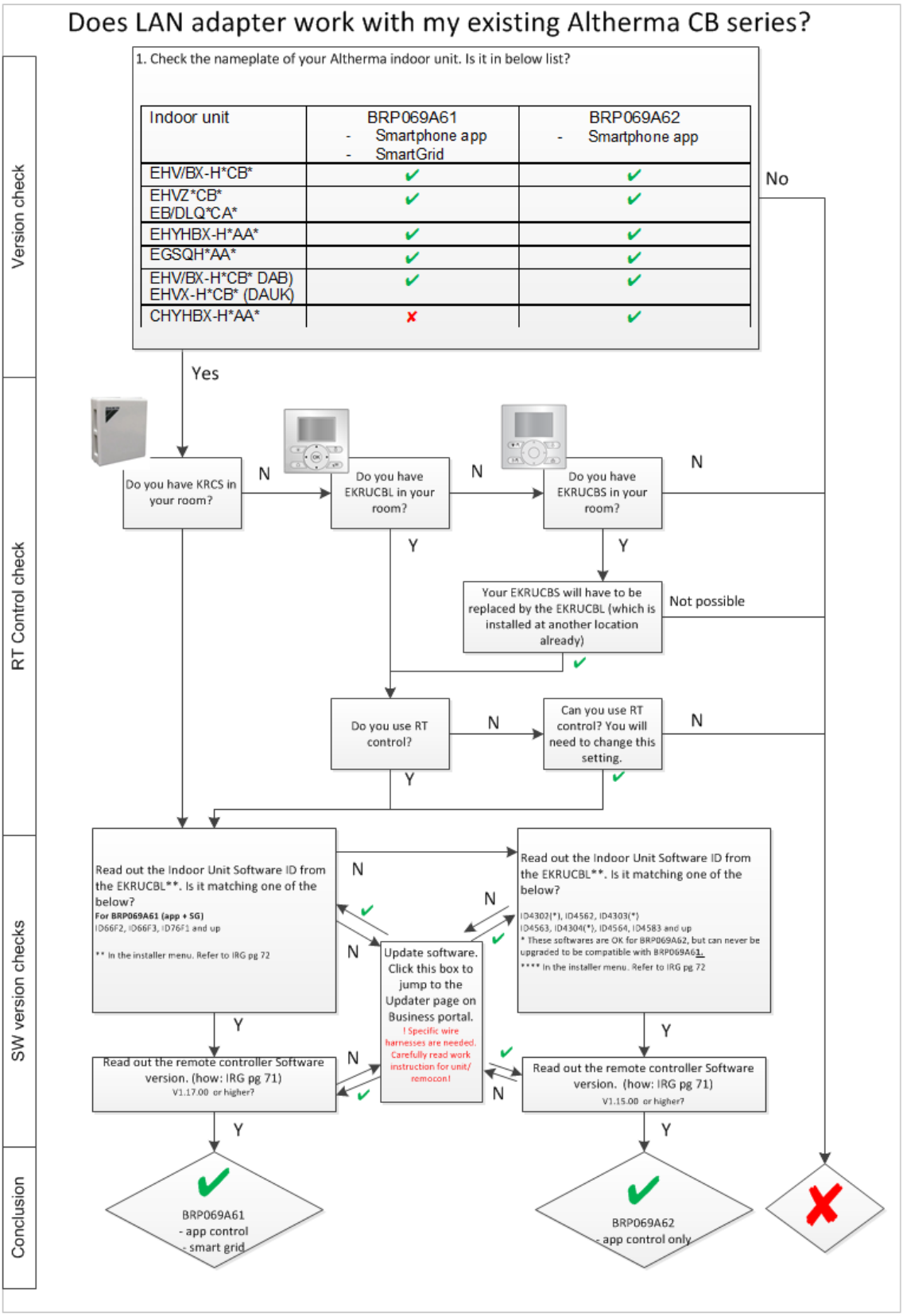
	From version xxxx onwards and future versions	**Existing versions at end of 2017**
Hydro software	From ID66F2 onwards and future versions	ID66F2, ID66F3, ID76F1, ID7401
User interface software	From V01.17.00 onwards and future versions	V01.17.00, V01.18.00, V01.19.00

Both BRP069A61 and BRP069A62 are fully supported

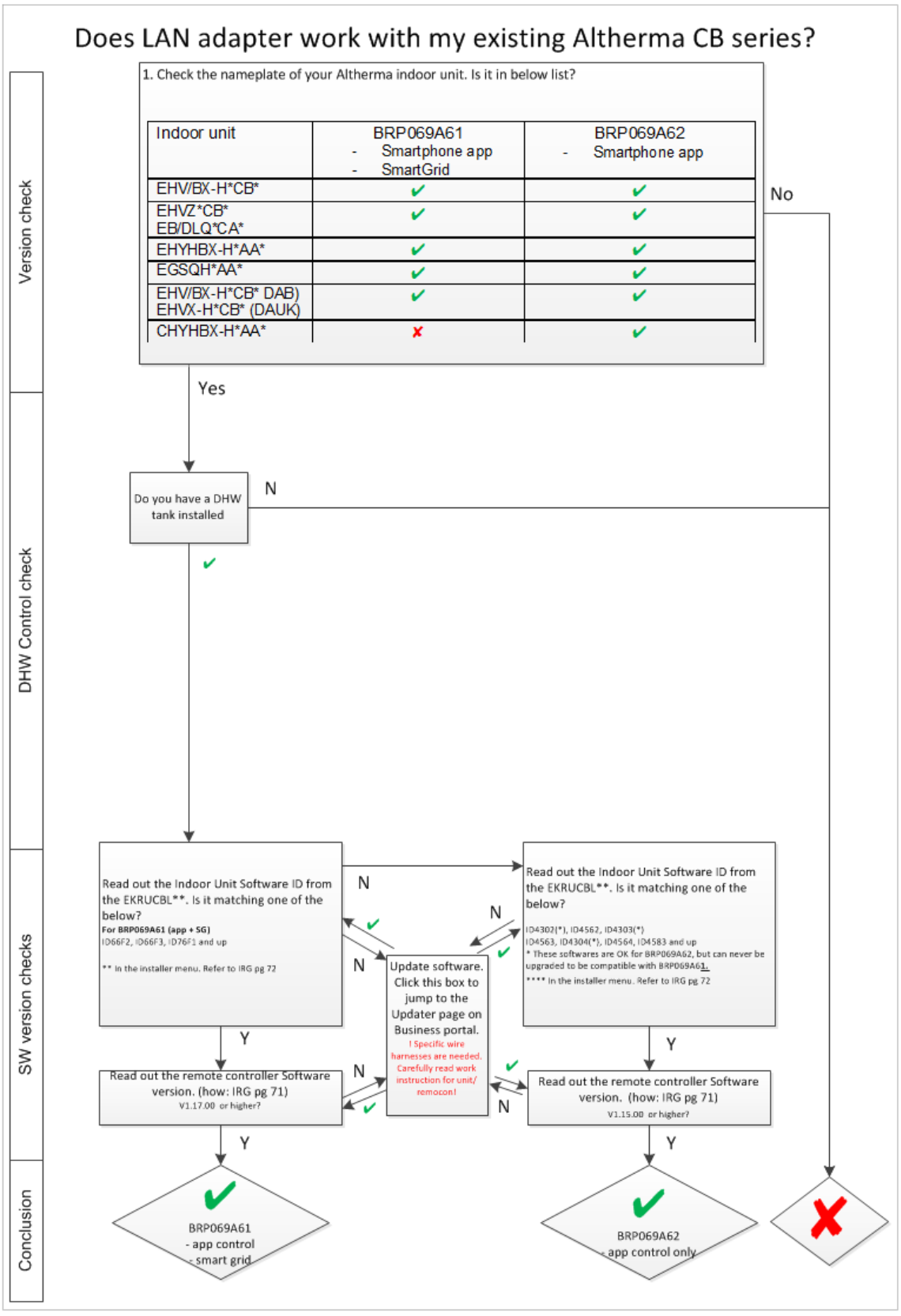
Remark: future versions will not be added as full LAN feature support and will be indicated in the option list of the Altherma units. All the hydro and software versions references are mentioned to be able to check the situation in the change-over period.

2.1 *Room temperature control*

Next flowchart can be used as a guide to check if the adapter is compatible



2.2 *DHW control*



Remark smart grid: If the unit is in LWT control, the DHW buffering will only start when the LWT homescreen is off or when LWT is not allowed due to ambient temperature to high/low
([4-02]space_heating_OFF_high_ambient_temp, [F-01] space_cooling_OFF_low_ambient_temp)