

kbox™

KNX SOLUTIONS





kbox[™] about

kbox is a next-generation KNX gateway that enables two-way communication, including ambient temperature data, between smart home automation and climate control systems.



kbox[™] Environmental Conditions

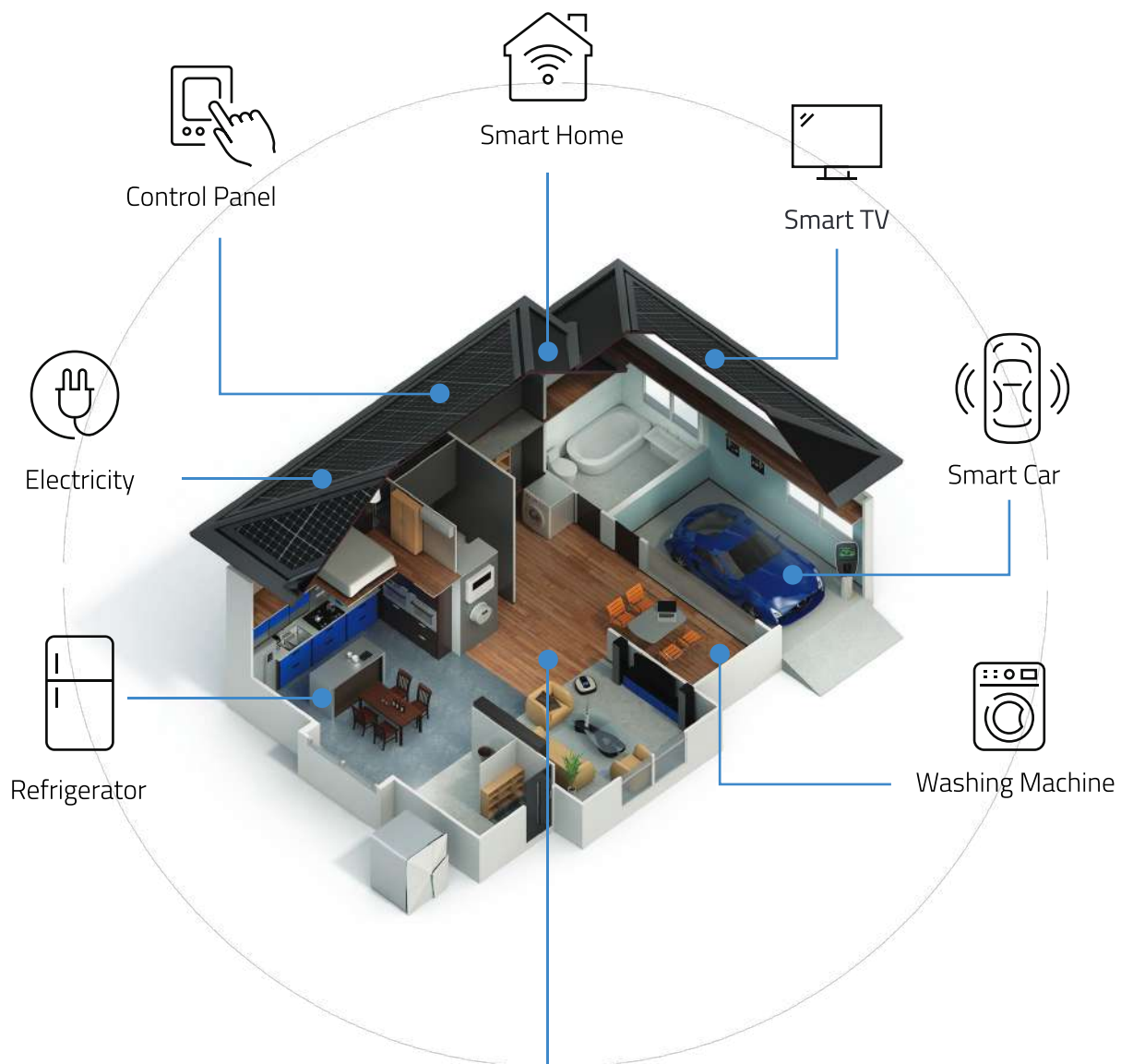
Operating Temperature -10 +70°C

Storage Temperature -25 +70°C

Relative Humidity Operates between 5% and 90%

Protection Class Rating II, IP20 according to EN 60529 Standards





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kbox™ -Mitt

Mitsubishi Electric KNX Gateway

- ✓ All functions of the Mitsubishi air conditioner are controlled via the KNX system.
- ✓ Bidirectional data is provided between the KNX system and the Mitsubishi air conditioner.
- ✓ Real-time indoor temperature information from the KNX system is sent to the air conditioner.
- ✓ Control capability with 3 dry contact inputs, allowing 10 different scenarios.
- ✓ Provides the ability to develop scenarios for energy savings, temperature limits, scheduling, and operation programming.
- ✓ CE certified according to EN standards.



Electrical Specifications

KNX Supply Voltage	29VDC (21 ... 31VDC)
Power Consumption	Max 10mA, 300mW
Cable Type	Standard KNX TP 1 0.80mm cable
AC Unit Connection Port	TB15 & CN105
Programming Button	1 push button to switch to KNX programming mode
Programming LED	LED indicating KNX programming status

Compatibility List

PAC TYPE INDOOR UNITS	PCA-RP	PLA-RP	PSA-RP	SLZ-KA
	PEAD-RP	PLA-ZRP	SEZ-KA/KC	SLZ-KF
	PEAD-SP	PKA-RP	SEZ-KD	PEAD-RP...JALQR3
RAC TYPE INDOOR UNITS	MFZ-KA	MSZ-FA	MSZ-GB	MSZ-SF
	MFZ-KJ	MSZ-FD	MSZ-GC	MSZ-DM
	MLZ-KA	MSZ-FH	MSZ-GE	MSZ-LN
	MSZ-CGE	MSZ-GA	MSZ-GF	MSZ-WN
	MSZ-EF			
CITY MULTI VRF INDOOR UNITS	PCFY-P-VKM-ER	PFFY-P-VKM-E2	PLFY-P-VBM-ER3	
	PEFY-P-VMA-E	PFFY-P-VLRM/LEM	PLFY-P-VCM-ER2	
	PEFY-P-VMA-ER3	PFFY-P-VLRMM-E	PLFY-P-VLDM-E	
	PEFY-P-VMAL-E	PFFY-P-VFM-E	PMFY-P-VBM-E#2	
	PEFY-P-VMH(S)-E1	PKFY-P-VHM-ER2	PMFY-P-VBM-ER3	
	PEFY-P-VMR-E1	PKFY-P-VKM-ER1	PMFY-P-VBM-ER41	
	PEFY-P-VMS1-E			

kbox™ -Smg

Samsung KNX Gateway

- ✓ All functions of the Samsung air conditioner are controlled via the KNX system.
- ✓ Bidirectional data is provided between the KNX system and the Samsung air conditioner.
- ✓ Real-time indoor temperature information from the KNX system is sent to the air conditioner.
- ✓ Control capability with 3 dry contact inputs, allowing 10 different scenarios.
- ✓ Provides the ability to develop scenarios for energy savings, temperature limits, scheduling, and operation programming.
- ✓ CE certified according to EN standards.



Electrical Specifications

KNX Supply Voltage	29VDC (21 ... 31VDC)
Power Consumption	Max 10mA, 300mW
Cable Type	Standard KNX TP 1 0.80mm cable
AC Unit Connection Port	F3,F4
Programming Button	1 push button to switch to KNX programming mode
Programming LED	LED indicating KNX programming status

Compatibility List

FREE JOINT MULTI

Ducts	Cassette	Console
AJ_TNMDEG	AJ_TNNDKG	AJ_TNJDKG
AJ_TNLDEG	AJ_TN1DKG	
AJ_TNLPEG	AJ_TNJDKG	

DVM

Ducts	
AM_HNMPKH	AM_FNHDEH
AM_KNLDEH	AM_HNHDPKH
AM_FNLDEH	AM_JNHFKH
AM_FNMDEH	AM_KNLDEH
AM_KNMDEH	AM_MNEPEH

DVM

Cassette	Console
AM_KN4DEH	AM_FNCDEH
AM_FN2DEH	AM_FNCDEH
AM_NN4DEH	AM_JNC DKH
AM_FN4DEH	AM_FNJDEH
AM_HNNDEH	AM_KNJDEH
AM_NNNDEH	AM_MNFDEH
AM_NN1DEH	AM_RNPDKH
AM_HN1DEH	
AM_NN1PEH	

Split

AM_TNADKH
AM_TNVDPKH
AM_JNVDPKH
AM_KNTDEH
AM_JNADKH
AM_KNQDEH

kbox™ -Dkn

Daikin KNX Gateway

- ✓ All functions of the Daikin air conditioner are controlled via the KNX system.
- ✓ Bidirectional data is provided between the KNX system and the Daikin air conditioner.
- ✓ Real-time indoor temperature information from the KNX system is sent to the air conditioner.
- ✓ Control capability with 3 dry contact inputs, allowing 10 different scenarios.
- ✓ Provides the ability to develop scenarios for energy savings, temperature limits, scheduling, and operation programming.
- ✓ CE certified according to EN standards.



Electrical Specifications

KNX Supply Voltage	29VDC (21 ... 31VDC)
Power Consumption	Max 10mA, 300mW
Cable Type	Standard KNX TP 1 0.80mm cable
AC Unit Connection Port	P1,P2
Programming Button	1 push button to switch to KNX programming mode
Programming LED	LED indicating KNX programming status

Compatibility List

2-way blow ceiling mounted cassette	FXCQ	Slim concealed ceiling unit	FXDA FXDQ
4-way blow ceiling mounted cassette	FXZA FXZQ	Concealed ceiling unit	FXYSP
Ceiling mounted corner cassette	FXKQ	Large concealed ceiling unit	FXMQ
4-way blow ceiling suspended unit	FXUQ	Inverter driven concealed ceiling unit	FXSA FXSQ
Round flow ceiling mounted cassette	FXFA FXEQ FXFQ FXFSQ	Concealed floor standing units	FXNQ FXLQ
Ceiling suspended unit	FXHQ	Wall mounted units	FXAA FXAQ
Ceiling mounted build-in	FXTQ		

kbox™-Mhvy

Mitsubishi Heavy KNX Gateway

- ✓ All functions of the Mitsubishi Heavy air conditioner are controlled via the KNX system.
- ✓ Bidirectional data is provided between the KNX system and the Mitsubishi Heavy air conditioner.
- ✓ Real-time indoor temperature information from the KNX system is sent to the air conditioner.
- ✓ CE certified according to EN standards.
- ✓ Configurable with the KTS Interface.



Electrical Specifications

KNX Supply Voltage	29VDC (21 ... 31VDC)
Power Consumption	Max 10mA, 300mW
Cable Type	Standard KNX TP 1 0.80mm cable
AC Unit Connection Port	X,Y
Programming Button	1 push button to switch to KNX programming mode
Programming LED	LED indicating KNX programming status

Compatibility List

CASSETTE TYPE INDOOR UNITS	FDTQ xx KXE6 y FDT xx KXZE1	FDTS xx KXE6 y FDT xx V y	FDTW xx KXE6 y FDTC xx KXE6 y	FDT xx KXE6 y FDTC xx V y
DUCT TYPE INDOOR UNITS	FDU xx KXE6 y FDUA xx AV y FDUT xx KXE6 y	FDU xx KXZE1 FDUM xx KXE6 y SRR xx ZJ-S *	FDU xx V y FDUMxxCTBy SRR xx ZM-S *	FDUA xx V y FDUM xx V y FDUH xx KXE6 y
FLOOR STANDING INDOOR UNITS	FDFW xx KXE6 y SRF xx ZMXA-S *	SRF xx ZIX-S * FDFL xx KXE6 y	SRF xx ZJX-S * FDF xx V y	SRF xx ZMX-S * FDFU xx KXE6 y
WALL MOUNTED TİP KLİMA İÇ ÜNİTELERİ	DXK xx ZJ-S * DXK xx ZSA-W* SRK 24 YMA-S * SRK xx ZHX-S * SRK xx ZJR-S * SRK xx ZL-S * SRK xx ZMXA-S * SRK xx ZS-W* SRK xx ZS- * SRK xx ZSX-WT*	DXK xx ZL-S * DXK xx ZRA-W* SRK 24 YRA-W* SRK xx ZIX-S * SRK xx ZJX-S * SRK xx ZM-S * SRK xx ZR-S * SRK xx ZS-WT* SRK xx ZSA-W* SRK xx ZSXA-WB*	DXK xx ZM-S * SRK xx CTB y SRK xx YSA-W* SRK xx ZJ-S * SRK xx ZJX-S1* SRK xx ZMA-S * SRK xx ZRA-W* SRK xx ZS-WB* SRK 63..80 ZSPR-S * SRK xx ZSXA-W*	DXK xx ZMA-S * SRK xx HE-S1 SRK xx ZG-S * SRK xx ZJ-S1* SRK xx ZK-S * SRK xx ZMX-S * SRK xx ZS-S * SRK xx ZR-W SRK xx ZSX-S *

kbox™-LGE

LG KNX Gateway

- ✓ All functions of the LG air conditioner are controlled via the KNX system.
- ✓ Bidirectional data is provided between the KNX system and the LG air conditioner.
- ✓ Real-time indoor temperature information from the KNX system is sent to the air conditioner.
- ✓ CE certified according to EN standards.
- ✓ Configurable with the KTS Interface.



Electrical Specifications

KNX Supply Voltage	29VDC (21 ... 31VDC)
Power Consumption	Max 10mA, 300mW
Cable Type	Standard KNX TP 1 0.80mm cable
AC Unit Connection Port	BYR
Programming Button	1 push button to switch to KNX programming mode
Programming LED	LED indicating KNX programming status

Compatibility List

SINGLE TYPE INDOOR UNITS

CT 09/12/18/24/30/36/42/48/60	UJ 30/36 NV2R0
UT 09/12/18/24/30/36/42/48/60	CB 09/18/24/30/36/42/48/60
CM 18/24/30 N14	CV 09/12/18/24/30/36/42/48/60
UB 18/24/30/36/42/48/60	UB 70/85 N94
UM 30 N14	UM 36/42 N24
UM 48/60 N34	UV 09/12/18/24/30/36/42/48/60
CQ 09/12/18	LAN 090/120 HVP
LAN 090/120/180/240 HSV2	LSN 090/120 HYV
LSN 307/360 HV2	LSN 091/121/181/240 HSV2

MULTI TYPE INDOOR UNITS

CA 07/09/12/18/24 AW*	AM 07/09/12/18/24 BP
MS 07/09/12/18/24 AW*	MA 09/12 AH* 1
MA 09/12 AH 1	G 09/12 WL
DM 07/09/12/18/24 RP	H 09/12 AL
PM 05/07/09/12/15/18/24 S	MV 09/12/18/24 AH
CV 09/12/18/24	UV 12/16/21/24/36/42/48 H
UT 12/18/21/24/36/42/48 H	MT 09 AH
MT 11 AH	MT 11 AH
MT 08 AH	CT 09
CT 24	AMNC 12 GTRA2
MB 09/12/18/24 AHL	MB 18/24 A
CB 09/12/18/24	CM 18/24 N14
UB 18/21/24/36/42/48 H	AMNC 12 GB1A2
AMNC 18/24 GB2A2	AMNC 18/24 GBHA2
CS 07/09/12/18/24 AQ	MS 07/09/12/18/24 AQ
E 07/09/12/18/24 SQ	MS 05/07/09/12/15/18/24 SQ
CQ 09/12/18	

MULTI-F TYPE INDOOR UNITS

LMN 078/158/248 HVT
LSN 240 HSV2
LSN 090/120/180 HSV5
LAN 090/120/180 HSV5
LMAN 096/097/126/186 HVT
LMDN 095/125/185 HV
LMHN 240/350 HVT
LMCN 077/097/125/185 HV

LMN 079/159/249 HVT
LSN 090/120/180 HSV4
LAN 090/120/180 HSV4
LMN 096/097/126/186 HVT
LMAN 097/127 HVP
LMDN 096/126/186 HV
LCN 097 HV4
LMVN 240/360 HV

VRF INDOOR UNITS

ARNU 07/09/12/15 GSEL2 / GSEL4
ARNU 18/24 GSKN4
ARNU 18/24 GS5L2 / GS5L4
ARNU 18/24 GSBL4
ARNU 05/07/09/12/15 GSB*4
ARNU 18/24 GS8*2
ARNU 07/09/12 GSF12 /GSF14
ARNU 18/24 GTLC2
ARNU 05/07/09/12/15 GTRC4
ARNU 21/24/28 GTPC2 / GTPC4
ARNU 42/48 GTMC2
ARNU 07/09/12 GTUC2
ARNU 36 GVKA2
ARNU 09/12/18/24 GTSC4
ARNU 07/09/12 GTUC4
ARNU 09/12 GVEA2
URNU 36/48 GVKA2
ARNU 18/24 GV1A4
ARNU 07/09/12/15/18/24 GBHA2
ARNU 36/42 GBGA4
ARNU 76/96 GB8A2 / GB8A4
ARNU 36/42/48 GB8A4
ARNU 28/36/42 GM2A4
ARNU 28/36/42/48/54 GM4A4
ARNU 76/96 GB8Z2
ARNU 07/09/12/15 GB1G2
ARNU 05/07/09 GL1G2 /GL1G4
ARNU 21/24 GL3G2 / GL3G4
ARNU 18/24 GB4G2
ARNU 36/42/48 GB8A4
ARNU 07/09/12/15 GCFA4
ARNU 07/09/12/15 GCEU2
ARNU 18/24 GCFU2 /GCFU4
ARNU 09/12 GVEA2 /GVEA4

ARNU 07/09/15 GSJN4
ARNU 30/36 GSVA4
ARNU 07/09/12/15 GSBL2 / GSBL4
ARNU 18/24 GSCL2 / GSCL4
ARNU 07/09/12/15 GSE*1 / GSE*2
ARNU 07/09/12/18 GSF*2
ARNU 07/09/12 GTUC2 /GTUC4
ARNU 05/07/09/12/15 GTRC2
ARNU 15/18/21 GTQC2 / GTQC4
ARNU 36 GTNC2
ARNU 36/42/48/54 GTMC4
ARNU 18/24 GVJA2
ARNU 48 GVLA2
ARNU 07/09/12 GTUC2
ARNU 18/24 GTTC2 /GTTC4
URNU 18/24 GVJA2
URNU 36/48 GVLA2
ARNU 36/48 GV2A4
ARNU 28/36/42 GBGA2
ARNU 48/54 GBRA2 /GBRA4
ARNU 07/09/12/15/18/24/28 GBRA4
ARNU 07/09/12/15/18/24 GM1A4
ARNU 48/54/60 GM3A4
ARNU 48 GBRZ2
ARNU 48/76/96 GBRZ4
ARNU 18/24/ GB2G2
ARNU 12/15/18 GL2G2 / GL2G4
ARNU 07/09/12/15 GB3G2 / GBGA4
ARNU 18/24/28 GB4G4
ARNU 07/09/12/15 GCEA2
ARNU 18/24 GCFA2 /GCFA4
ARNU 07/09/12/15 GCFU4
ARNU 07/09/12/15 GQAA2 / GQAA4



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