



Wireless Bridge / Voltage Translator **TIDE Bridge**



Wireless Bridge / Voltage Translator with universal modular pack - accessory for the Comfort thermostat line

UEI TIDE Bridge, with Universal Modular Pack, reimagines climate control in the home and hospitality market by allowing user to locate thermostat's user interface and sensing capability where you care the most such as nightstand or kitchen counter, and wirelessly communicated back to the HVAC system wiring on the wall. UEI TIDE Bridge offers multi-voltage HVAC system support (24VAC, 16VDC, 230VAC, 277VAC) with universal modular pack and can integrate with an HVAC system anywhere in the world.

Zigbee Wireless Bridge for HVAC system

- Location Free Thermostat with AC adapter & Battery modular pack
- Support multiple Zigbee sensor for zone control application (Temperature/Humidity, Door/Window, Occupancy etc...)
- Up to 10 peripheral device

Works with Universal Modular Pack

- Multi region support: 24VAC, 16VDC, 230VAC, 277VAC
- Multi HVAC system support
- Customizable for application specific needs such as RS-485 (Modbus, BAC-Net), Analog interface and HVAC Proprietary Protocol

Installer Friendly

- Out of band commissioning option available with thermostat
- Single button for Zigbee sensor pairing with LED feedback

Product USPs



Modular design concept



Simple installation

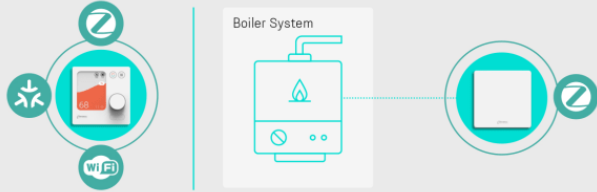


Fit for global market

Features

Use Cases

TIDE Dial & tabletop adapter + TIDE Bridge to boiler system

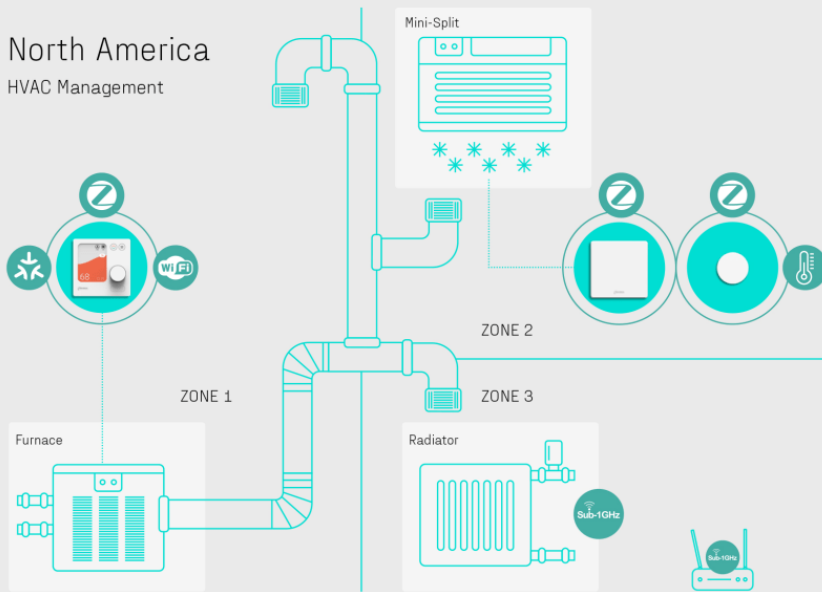


Multizone

Mini-split TIDE Bridge and TIDE Dial + Wireless sensor

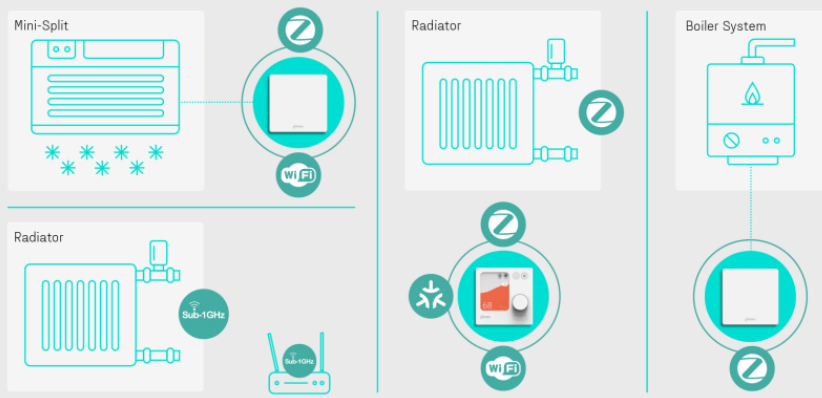
North America

HVAC Management



Multizone

TIDE Dial & tabletop adapter + TIDE Bridge to boiler system + radiator TRV + TIDE Bridge to mini-split



Specifications

Connectivity

- Bluetooth
- Bluetooth version: 4.2
- Zigbee version: 3.0
- Zigbee coordinator: up to 10 nodes

Processor / Memory

- UE878 multi-protocol SoC concurrent with Zigbee and Bluetooth Smart 4.2
- Flash Program Memory: 512kB
- RAM: 64kB

HVAC System Compatibility

- Supported equipment: Mini-split, Multi-split, Conventional, heat pump, dual fuel, Boiler System (Combi boiler, Y plan, S plan), PTAC, VRF/VRV, Fan coil

Multi-Zones Control

- Support up to 8 Comfort Line thermostat and UEI TIDE Bridge

Dimensions

- Product Dimensions MM (LxWxH):
86x86x21.3 (24VAC, 16VDC) and
86x86x44.5 (230 VAC Boiler system) and
86x86x44.5 (277VAC HVAC system)