

Joint Development of Home Delivery Box by TOKAI RIKA and Kawamura Electric Using Digital Key Technology

– Practical Application of Digital Key to Important Facet of Modern Life –

TOKAI RIKA CO., LTD. and Kawamura Electric Inc. have started to develop a home delivery box that incorporates TOKAI RIKA's smart phone-operated digital key system. Provisionally named RusuPo with FREEKEY, the two companies are aiming for a 2022 release date.

As online shopping becomes more and more popular, the increasing frequency of package re-deliveries when addressees are not home has become an issue for delivery drivers. Delivery boxes, which can be used even when no-one is home, are becoming an increasingly common way of resolving this issue. A home delivery box also brings more freedom and flexibility to people's lives as it eliminates the need to be in to receive a delivery.

RusuPo with FREEKEY combines the housing technology expertise of Kawamura Electric through its RusuPo home delivery box with TOKAI RIKA's digital key software that uses the security technology developed originally for the mobility field. This software enables communication with TOKAI RIKA's digital key distribution server so that the box can be locked or unlocked via a smart phone app. This application of digital key technology brings new value to home delivery boxes and helps make package deliveries even more user-friendly.

Example scenarios of delivering and receiving packages

Without using RusuPo with FREEKEY



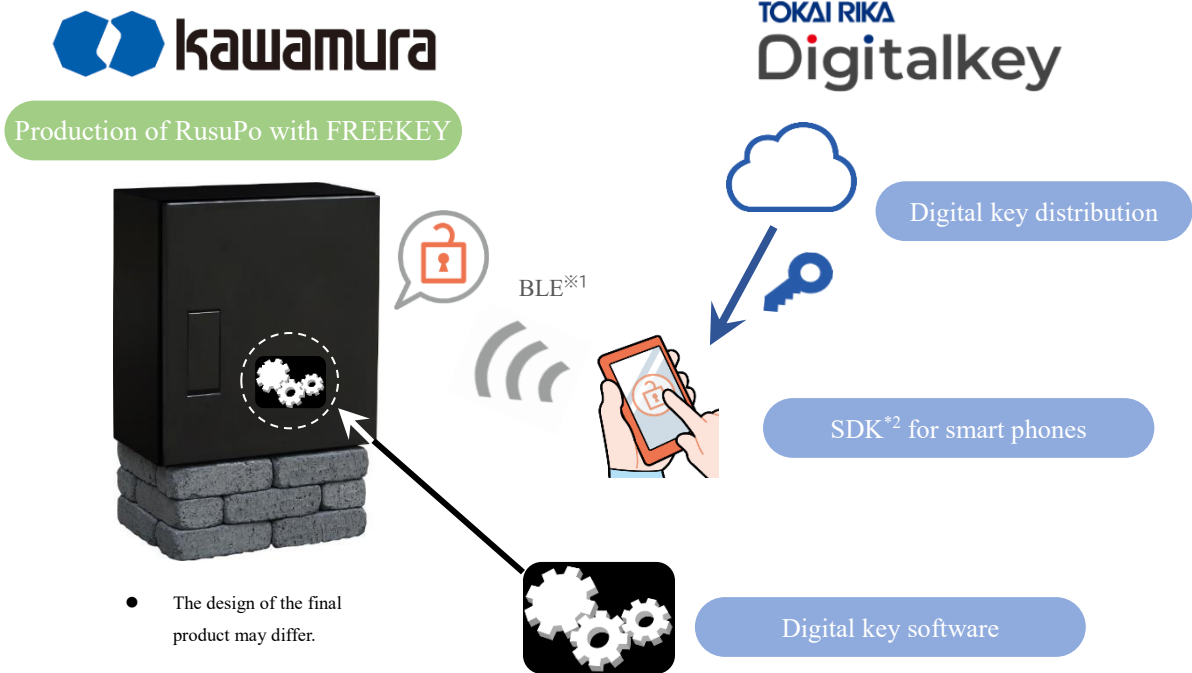
Left: taking a package to a convenience store or post office
Right: waiting at home for a delivery company to pick up a package

Using RusuPo with FREEKEY



Place your package into RusuPo with FREEKEY and use your smart phone to send a digital key to the delivery company, who can pick up your package even when you are not home

Both TOKAI RIKA and Kawamura Electric are dedicated to helping resolve logistical and lifestyle issues and to enhancing the convenience of everyday life. We will continue working together to develop solutions that will support the smart cities of the future through a wide range of practical digital key technologies.



*1 BLE: An abbreviation for Bluetooth Low Energy, a low power consumption wireless communication technology used in electronic devices.

*2 Software development kit: refers to the package containing the programs and technical notes required to develop software. In this case, it specifically refers to the programming used to enable digital key operation via a smart phone app.