MOVON CORPORATION

User Manual

Vehicle model CN7 Folding TX	MOBASE ELECTRONICS	Page (SHT/SHTS) 1/11
Drawing Wireless Design team	INFORMATION DOCUMENT NO.	

Title : RELATING TO CE TYPE-APPROVAL
AS SEPARATE TECHNICAL UNIT
OF VEHICLE RF REMOTE KEYLESS ENTRY IN BODY CONTROL MODULE

Information Document	(5 sheets: Include cover)
Attachment 1 – System diagram	(1 sheet)
Attachment 2 – Fob block diagram	(1 sheet)
Attachment 3 – Schematic of fob	(Each 1 sheet)
Attachment 4 – Layout of fob	(1 sheet)
Attachment 5 – Part List	(1 sheet)

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DATE	REFERENCE		DESIGNED	CHECKED	APPROVED
2019-12-12		Sign	Signed	Signed	Signed

Title : Information Document	NO. Date

0. GENERAL

0.1. Make

MOBASE ELECTRONICS Co.,Ltd.

0.2. Model No.

- Transmitter : MBEC3TX2004
- Transmitter : MBEC4TX2004
- Receiver : IBU(Intergrated Body control Unit)

0.3. Name and address of manufacturer

MOBASE ELECTRONICS Co.,Ltd.
100, Saneop-ro 156beon-gil, Gwonseon-gu, Suwon-si, Gyeonggi-do,
Republic of Korea

0.4. Address of assembly plant

MOBASE ELECTRONICS Co.,Ltd.
100, Saneop-ro 156beon-gil, Gwonseon-gu, Suwon-si, Gyeonggi-do,
Republic of Korea

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3. USER MANUAL

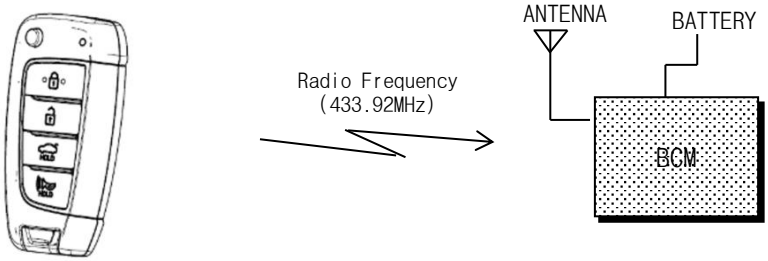
3.1 ITEM : Remote Keyless Entry Transmitter

- This system is IBU and inculdes RKE.
- RKE in IBU system is intended for auto door lock or unlock or TRUNK in vehicle.
- This IBU system is to be installde on motor vehicles as *OE item.

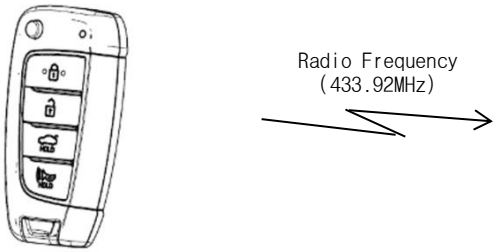
*OE : Original Equipment.
*IBU : Body Control Module
*RKE : Remote Keyless Entry.

3.2 SYSTEM CONSTRUCTION

3.2.1 SYSTEM IN VEHICLE



3.2.2 SYSTEM FOR TEST



① if press button on the transmitter, RF signal is transmitted and turns on the LED
* It shows the status of operation through the LED used.

2. PRODUCT SPECIFICATION

2.1 Scope of RKE, Intergrated Body control Unit

2.1.1 Folding TX KEY : It has the RKE functions.
Data is transmitted with radio frequency

2.1.2 IBU(RX) : ECU is control the whole BCM funtion with RKE

2.2 SPECIFICATIONS

2.2.1 Transmitter

ITEM	SPECIFICATION
Rated supply voltage	DC 3V
Operating voltage range	DC 2.5 ~ 3.3V
Operating temperature range	- 10 ~ + 60℃ with Battery
Storage temperature range	- 30 ~ + 80℃ without Battery
Modulation	FSK
Frequency	433.92MHz
Code	Rolling Code(Hopping Algorithm)
Electric field strength	10mW (433.92MHz)
Battery life	2 Year(10Times/Day)(Lithium 3V 1EA)

2.2.2 RECEIVER

Item	Specification
Rated Supply Voltage	DC 12V
Operating Voltage	DC 9 ~ 16V
Operating Temperature	- 30 ~ + 80℃
Max Humidity	95%
Standby Current	Below than 5.5uA (in alarm setting condition)

FCC Information to User

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one of the following measures:

• Reorient or relocate the receiving antenna.

• Increase the separation between the equipment and receiver.

• Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.

• Consult the dealer or an experienced radio/TV technician for help.

Caution

Modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

FCC Compliance Information : This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation