

Exhibit E..... User's Manual

LB8063AO

Main Unit

u-COM

Specifications

2. Standard Mode

2.1. DISARM

Mode Shift Operation

- R/C TX/PANIC Key Short Push.[In ARM Mode]

Output

- Unlock(DR,OT)
- Side Light 2Times
- Siren 2Times
- Dome Light 30sec

2.2. ARM

Mode Shift Operation

- R/C TX/PANIC Key Short Push.[In DISARM Mode]

Output

- Lock
- Side Light 1Times
- Siren 1Times
- Remote LED Blink
- Arming Out

2.3. ALARM

Mode Shift Operation

- Sensor Input(IGN.,DOOR,H/T,OP,IMPACT,RADAR).[In ARM Mode]

Output

- Side Light Blink
- Siren
- Remote LED Blink(2Times)
- Alarming Out
- ST-Cut

2.4. WARNING

Mode Shift Operation

- RADAR Sensor Exterior Area Input.[In ARM Mode]

Output

- Side Light 4Times
- Siren 4Times
- Warning Out

2.5. PANIC

Mode Shift Operation

- R/C TX/PANIC Key Long Push.

Output

- Side Light Blink
- Siren
- Remote LED Blink(2Times)
- Arming Out
- ST-Cut

2.6. DRIVE

Mode Shift Operation

- IGN.Sw. On.[In DISARM or VALET Mode]

Output

- Display Unit On

2.7. VALET

Mode Shift Operation

- VALET Sw. Long On.[In DISARM Mode]
- R/C EXT-1/VALET Key Long Push.
- ※ VALET mode is canceled by the same operation.

Output

- Remote LED 2sec
- ※ When canceling VALET mode,it blinks twice.

2.8. Remote Control Code Learning

Mode Shift Operation

- VALET Sw. On → IGN.Sw. On/Off 3Times[In DISARM or VALET Mode]

Output

- Remote LED Blink
- ※ R/C TX/PANIC Key Short Push. → Siren 1Times[Code Learning O.K.]

確認

お願いします。

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LB8063AO

R/C Unit

u-COM

Specifications

(INDEX)

1. 0 Outline

- 1. 1 System Outline
- 1. 2 R/C System Composition
- 1. 3 Feature
- 1. 4 Outline Specification
- 1. 5 R/C Appearance Design & Function Outline

2. 0 u-COM Input/Output Specification

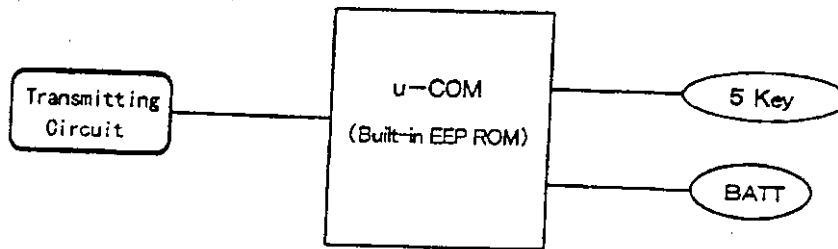
- 2. 1 Input/Output Function
- 2. 2 R/C Key & Command List

1. 0 Outline

1. 1 System Outline

The R/C operate by one lithium battery, and are equipped with Car Security System(SEC-8063) control function.

1. 2 R/C System Composition



1. 3 Feature

- Appearance Design : 1. 5 Reference
- Operation Key : 5 Pieces (Tx, EXT-1, EXT-2/3, EXT-4, MODE)
- Volt of Operation : 2. 2~3V (CR2032 x 1 Piece)
- Others : 3 Mode LED

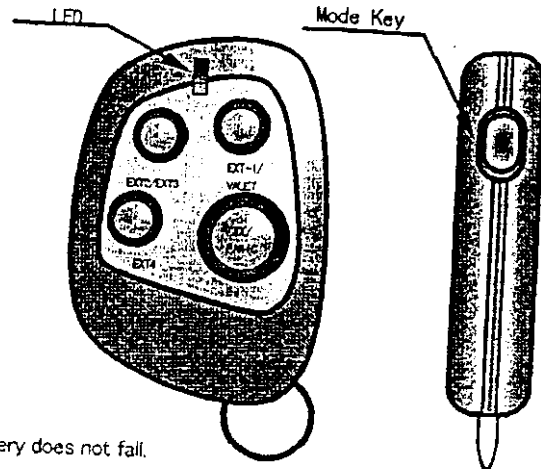
1. 4 Outline Specification

- u-COM : NEC μ PD754144 (Built-in E²PROM)
- u-COM Port Set-Up : 2. 0 Reference

1. 5 R/C Appearance Design & Function Outline

1. 5. 1 New R/C Outline

- New Design
- Key: Surface 4pcs., Side 1pc.
- Waterproofing correspondence
- No Battery Cap
- Battery TYPE: CR2032
- Battery Life: 1Year
- Minimum Range: 100 feet
- When opening a R/C case, it makes the structure when a battery does not fall.



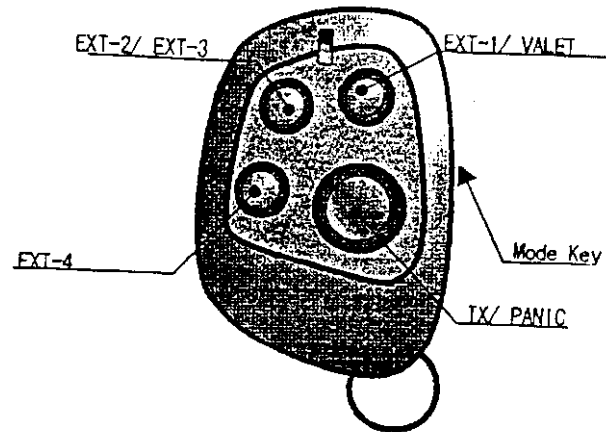
1. 5. 2 R/C Operation List

Standard Operation	
• ARM (LOCK) • DISARM (DRUNLOCK) (ALLUNLOCK) • PANIC (EXIT PANIC) • VALET (CODED DISARM) (PROTECTED VALET) (EXIT VALET)	• EXT-1 • EXT-2 • EXT-3 • EXT-4 • EXT-5~12(Used EXT Expander) • WARNING(Radar) On/Off • Pre-WARNING(Impact) On/off • Warning/Pre-Warn Chirp On/Off • 2CAR Operation 1st/2nd • Alarm Silence • Remote Control Chirp Cancel • Audio Control

1. 5. 3 New R/C Operation Method

Here, the operation method of the function which can be operated with R/C simple substance is explained.

R/C takes 3 kinds of modes, and changes them by Mode Key in R/C side.



1. 5. 3. (1) MODE(Used EXT Expander)

3 Mode changes of R/C are explained.

<Red Mode>

The usual state where the Mode Key is not pushed.

When Keys other than Mode Key are pushed.

Command transmission → 1 LED lighting
(LED Color: RED)

<Green Mode>

Mode Key : 1 Time Push and Hold.

LED lighting(LED Color : GREEN)

When Keys other than Mode Key are pushed.

Command transmission → 1 LED lighting
(LED Color: GREEN)

<Orange Mode>

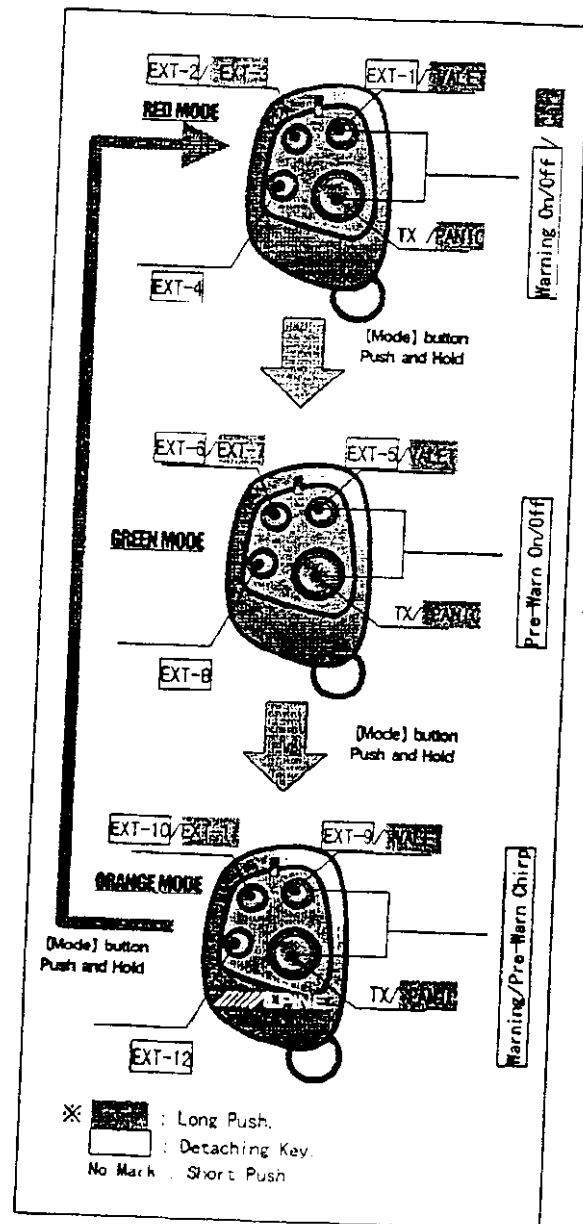
Red Mode → Mode Key : 2 Times Push and Hold.

Green Mode → Mode Key : 1 Time Mode Push and Hold.

LED lighting(LED Color : ORANGE)

When Keys other than Mode Key are pushed

Command transmission → 1 LED lighting
(LED Color: ORANGE)



NO.	SIGNAL NAME	PORT NAME	TYPE	FUNCTION DESCRIPTION	ACTIVE LEVEL	POWER SUPPLY	STANDARD	DEFAULT	EXT. BLOCK NAME	INTERNAL BLOCK NAME
1	RESET	RESET	I	SYSTEM RESET INPUT	L		-	-	-	
2	CL1	CL1	I	SYSTEM CLOCK			-	-	-	
3	CL2	CL2	O	(CR Oscillation 1MHz)			-	-	-	
4	V _{SS}	V _{SS}	-	Connect to GND			-	-	-	
5	IC	IC	-	Connect to V _{DD}			-	-	-	
6	V _{in}	V _{DD}	-	+3V			-	-	-	
7	TEST2	P60/AV _{REF}	I	Pull Down			-	-	-	
8	MODE	P61/INT0	I	MODE Key Input	L		H	H	KEY	
9	TX-POWER	P62/PT00	O	TX-POWER Output	H		L	L	TX	
10	TX-DATA	P63/PT01	O	TX-DATA Output	H		L	L	TX	
11	TX/PANIC	P73/KR7	I	TX/PANIC Key Input	L		H	H	KEY	
12	EXT1/VALET	P72/KR6	I	EXT1/VALET Key Input	L		H	H	KEY	
13	EXT2/EXT3	P71/KR5	I	EXT2/EXT3 Key Input	L		H	H	KEY	
14	EXT4	P70/KR4	I	EXT4 Key Input	L		H	H	KEY	
15	LED-RED	P33	O	LED-RED ON/OFF	H		-	-	LED	
16	LED-GREEN	P32/PT02	O	LED-GREEN ON/OFF	H		-	-	LED	
17	Unused	P31/PT01	O	N.C.			-	-		
18	Unused	P30/PT00	O	N.C.			-	-		
19	TEST1	P80	I	Pull Down			-	-		
20	KRREN	KRREN	I	Connect to V _{DD}			-	-	KEY	

THIS DEVICE COMPLIES WITH PART 15 OF THE FCC RULES. OPERATIONS 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 UNDESIRABLE OPERATION.

2.2 R/C Key & Command List

NO	INPUT		DESCRIPTION			Note
			RED MODE	GREEN MODE	ORANGE MODE	
1	TX/PANIC		Lock/Unlock			
	OFFed	< 1.5sec				
	ONing	= 1.5sec	Panic #2			
	OFFed	> 1.5sec				
2	EXT-1/VALET					
	OFFed	< 1.5sec	EXT-1	EXT-5	EXT-9	
	ONing	= 1.5sec	Valet Mode			
	OFFed	> 1.5sec				
3	EXT-2/EXT-3					
	OFFed	< 1.5sec	EXT-2	EXT-6	EXT-10	
	ONing	= 1.5sec	EXT-3 #2	EXT-7 #2	EXT-11 #2	
	OFFed	> 1.5sec				
4	EXT-4					
	OFFed	< 1.5sec	EXT-4	EXT-8	EXT-12	
	ONing	= 1.5sec				
	OFFed	> 1.5sec				
5	TX/PANIC + EXT-1/VALET					
	OFFed	< 1.5sec	Warning (Rader) *1	Pre-Warn (Impact) *1	Warning/PreWarn Chirp *1	
	ONing	= 1.5sec	Car NO. 1st/2nd *3			
	OFFed	> 1.5sec				
6	MODE		MODE			
	OFFed					
	ONing	= 1.5sec	GREEN MODE *3	ORANGE MODE *3	RED MODE *3	
	OFFed					
7	TX/PANIC + EXT-2/EXT-3		Band Proc. *4			
	OFFed					
	ONing					
	OFFed					
8	EXT-2/EXT-3 + MODE		Visual Sel. *4			
	OFFed					
	ONing					
	OFFed					
9	TX/PANIC + MODE		Audio Sel. *4			
	OFFed					
	ONing					
	OFFed					
10	EXT-1/VALET + MODE		Mute *4			
	OFFed					
	ONing					
	OFFed					