

# LOXURY IX

Model No. LL94AR-7



**UNILOCK**  
**ASSA ABLOY**

2016. 02

## 1. Specific Features

- 3 levels key (RFID tag) management system
- Support Mifare Classic, DESFire EV1, Ultralight
- Comfortable grip feeling with round handle front
- Intuitive hidden LED Icons
- Shared use mode or assigned use mode
- Burglar alarming when opening by force (O
- Warning alarms for low battery or abnormal status
- External 9V battery connector for low battery
- Melody on-off setting
- In-use LED icon
- Auto locking or manual locking
- 1 year battery life with 3 AA type alkaline batteries
- Material: PC/ABS

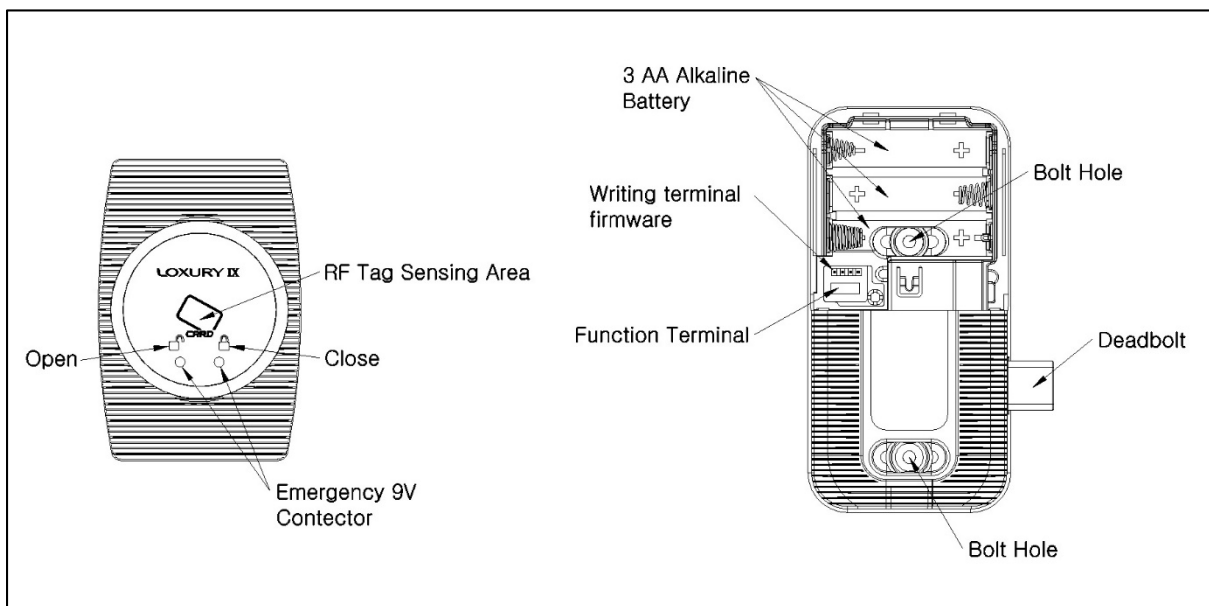
## 2. Dimensions

- Front: 98(H) \* 66(W) \* 29.2(T) mm
- Rear: 132(H) \* 66(W) \* 29(T) mm

## 3. Supported door thickness

- Size A: 15~20mm (0.59~0.78 inches)
- Size B: 20~25mm (0.79~0.98 inches)
- Size C: 25~30mm (0.99~1.18 inches)
- Contact us for less than 15mm or larger than 30mm

## 4. Part Names



## 5. Supported key levels



RF key levels	Max no. of RF key
Owner Key	1
Master Key	20
User Key	20
Cleaner Key	20

## 6. Change Mode Options

Need to use "Lock Manager" software and USB gender for changing the options.

Functions	Options	No. of Beep	Factory Setting
Use of Key	Shared Use	1	Default
	Assigned Use	2	
Locking type	Auto Locking		Default
	Manual Locking		
Beep Levels	High		Default
	Mid		
	Low		
	Off		
In Use LED	On		Default
	Off		
Cleaner Key	Enable Cleaner Key		Default
	Disable Cleaner Key		

## 7. LED Icons

Icon	Function	Color	Status
	Locking Status	Green	Open, registered
		Red	Closed

## 8. Registering and Using RFID keys

- LL94AR using IRDA sensor for waking up the lock from power saving mode (sleep mode). Direct sunlight or strong three wave light bulb may interfere the IRDA sensing function. And the sensor starts auto-tuning function when the battery is changed. Auto tuning takes around 20 seconds. Please do not cover the RF sensing area during the auto-tuning.

### A. Register an Owner key

- First used RF card became an Owner key.
- ① Install LL94AR into the locker.
- ② Insert 3 AA alkaline batteries.
- ③ Wait for auto-tuning time, around 20 seconds.
- ④ Touch any RF card for registering it as an Owner key.  
Beeps 3 times and blinking green LED if the Owner key registering is done.
- 1 Owner key can be registered for a LL94AR. Owner key cannot access the lock.

### B. Register Master key(s)

- ① Touch the Owner key (No need to use Owner key at the first time)
- ② Touch an extra RFID card (LED blinks during registration mode for 8 seconds). Beep 3 times and green LED blinks if the registration is done.
- ③ Touch another RFID card for up to 20 in sequence or touch same card twice to end the registration.
  - *Example: Touch A card (4 seconds) – touch B card – touch C card – touch C card again*
  - *Result: Three (A, B and C) Master cards has been registered.*
- Master key opens the lock. But cannot lock.

### C. Register & using User key(s)

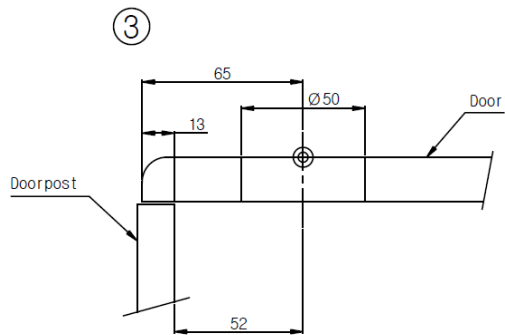
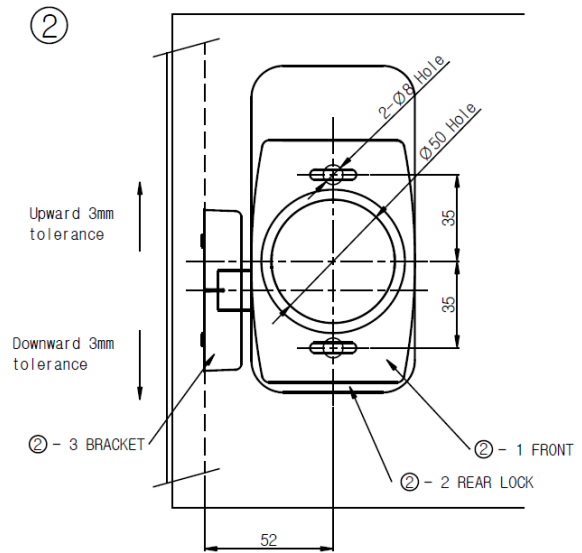
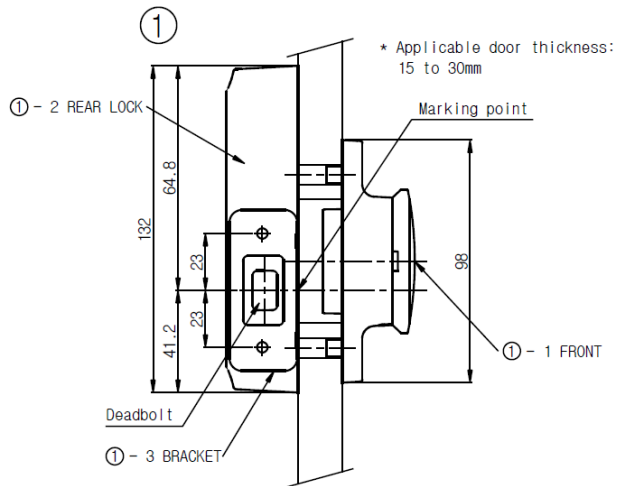
- ① Touch any Master card
- ② Touch an extra RFID card (LED blinks during registration mode for 8 seconds). Beep 3 times and green LED blinks if the registration is done.
- ③ Touch another RFID card for up to 20 in sequence or touch same card twice to end the registration.
  - *Example: Touch any Master card – touch A card – touch B card – touch C card – touch C card again*
  - *Result: three (A, B and C) User cards has been registered.*
- The User key can lock or unlock LL94AR.

### D. Change or delete User key (while lost user key)

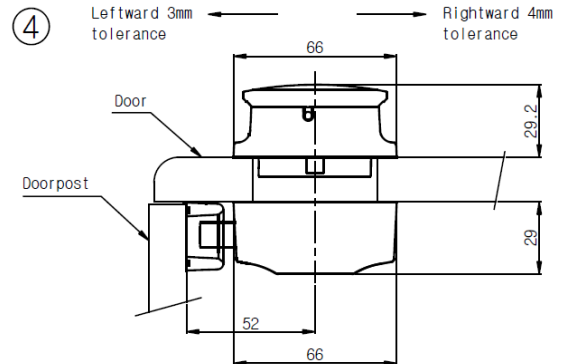
- i. Touch any Master key for deleting all registered User keys.
- ii. Register new User cards.

## 9. Installation Drawings

(For Right Hinge/Covered Door)

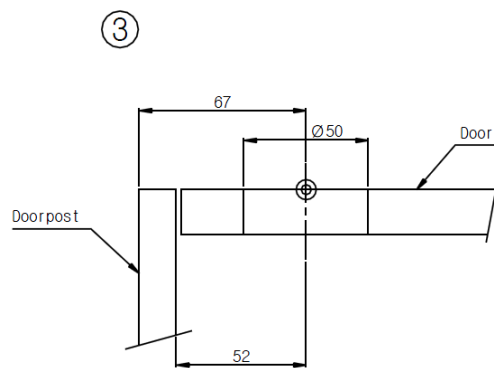
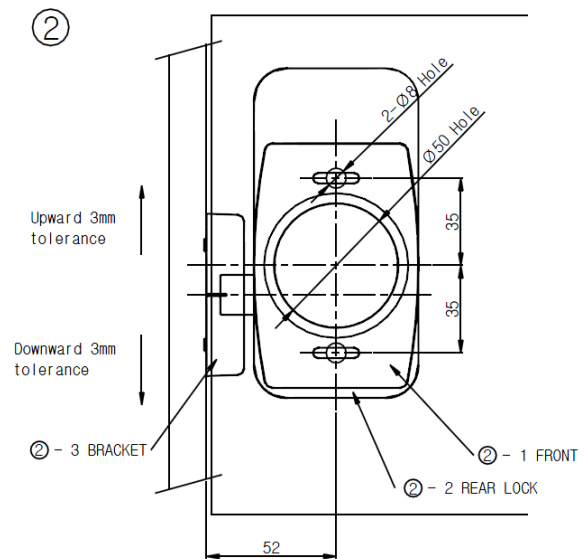
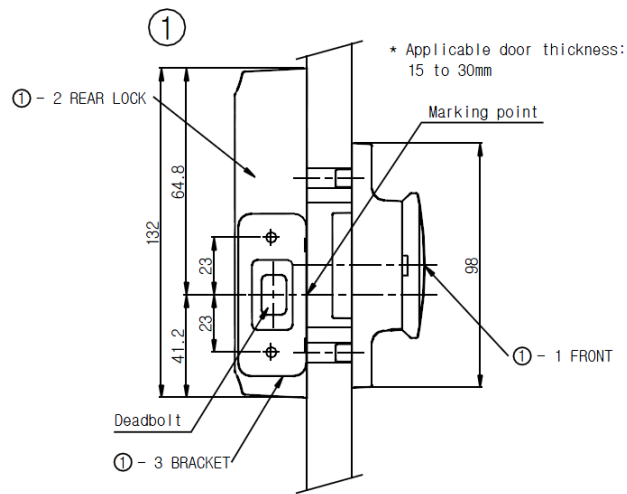


Note : Most locker has different covered dimension

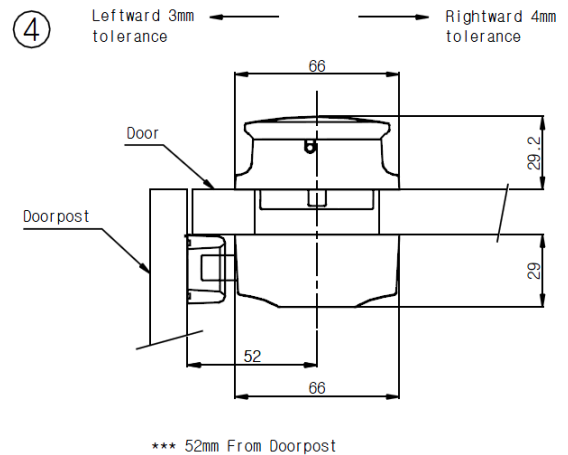


\*\*\* 52mm From Doorpost

## (For Left Hinge/Embedded Door)



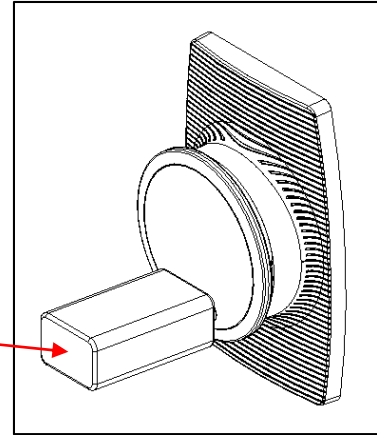
Note 1 : Bracket position is depend on the door thickness.  
Note 2 : Cut off the marking point of the bracket.



## 10. Out of Battery

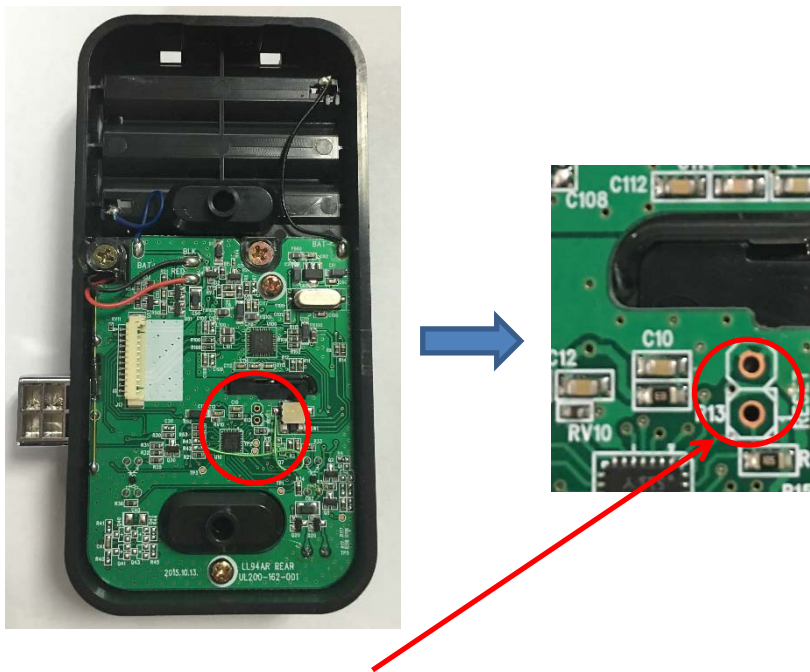
- There will be battery warning alarms, 5 beeps, if the battery is almost runs out. Standard 9 V external battery can be used to operate the lock. (No polarity on the external 9V battery contactors)
- Use any registered Master card to open.

9V Battery



## 11. Reset Memory (Clear Memory)

- Possible to delete all registered RF keys and return all of the lock functions back to factory default setting.

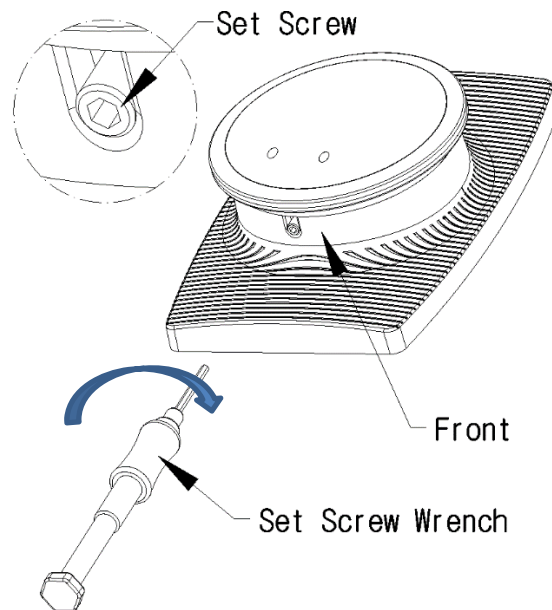


1. Coupling the **"RESET"** soldering points with a sharp tweezers or similar tool and touch the RF sensing area by hand to clear the memory.
  - Beep 1 time if the reset was done.
  - Register all keys again.

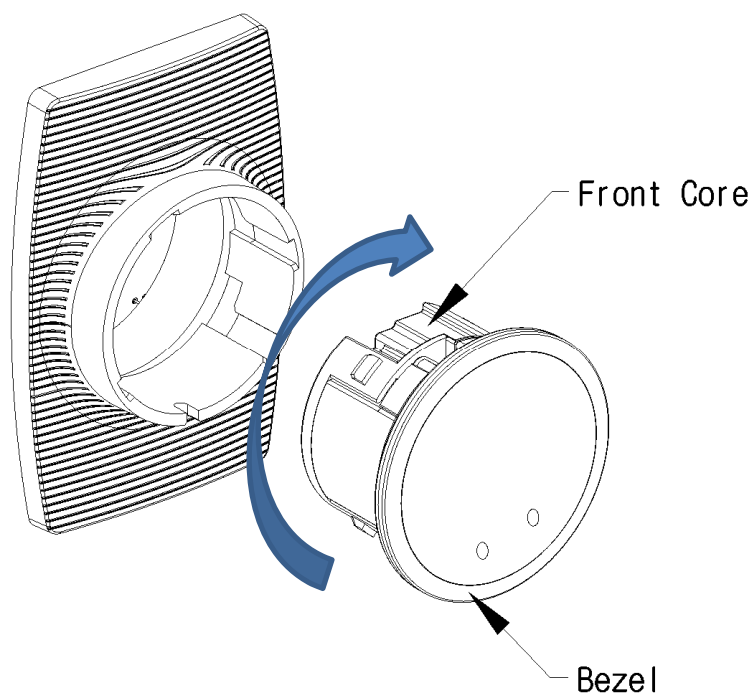
## 12. Emergency Opening

- LL94AR can be unlocked without damage if the lock does not work at all. Try to open with 9V external battery before doing this emergency opening process.

1. Unscrew the side bottom set-screw with set-screw wrench.

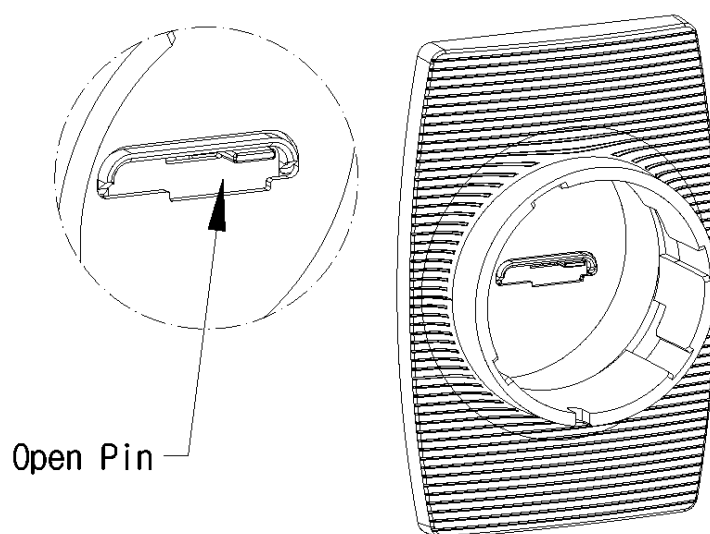


2. Rotate the front bezel to clockwise and take out the front core.

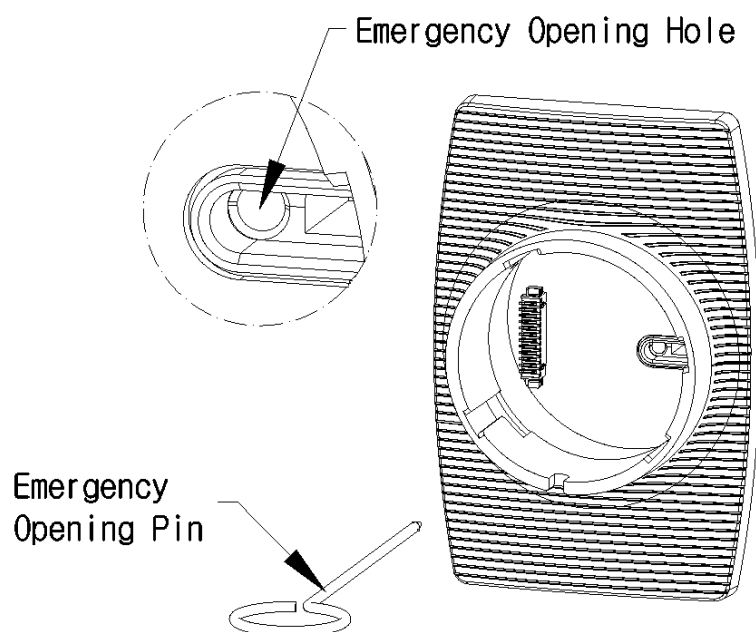




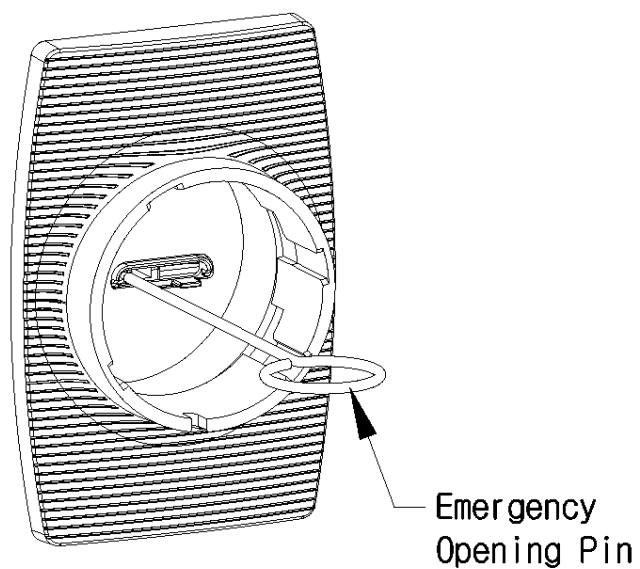
3. Press down inside open pin with “—” driver.



4. Insert the emergency opening pin into the emergency opening hole.



5. Press the emergency opening pin to the right end and open the door.



- The lock does not work at all after this emergency opening. Return the lock to the authorized dealer for rework.

[END]

## Safety Precautions

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 generate, 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 or more 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 technical for help.
- Only shielded interface cable should be used.

Finally, any changes or modifications to the equipment by the user not expressly approved by the grantee or manufacturer could void the users authority to operate such equipment.

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 of this device.

### CAUTION

Any changes or modifications in construction of this device which are not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

### CE WARNING

- Changes and modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.
- It is desirable that it be installed and operated with at least 20cm or more between the radiator and person's body(excluding extremities: hand,wrists,feet, and ankles)

Marking

**ASSA ABLOY**


Made in Korea

Model : LL94AR-7

Lot No : XXXXX (RPxxxxxxxx)

Power : 4.5V DC (AA 1.5 x 3)

Mfr. : ASSA ABLOY KOREA Co., Ltd Unilock



This device complies with part 15 of FCC Rules.  
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(2) this device must accept any interference received,  
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**FCC ID: 2AJUHLL94AR-7**

**CE 2200**

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