

**Model : CX-99GSM**

**GSM Coin Payphone**

**Version: Belgium**

## **Owner's Manual**



*Read this manual carefully before  
connecting line and operating phone*

## **LIST OF CONTENTS**

- A. Phone Photo Display and Descriptions (Page 1)
- B. Installation (Pages 2)
- C. Descriptions of each Program (Pages 3)
- D. Begin Testing & Programming Phone (Pages 4-13)
- E. Default Setting (Page 14)
- F. Call operation Instructions (Pages 15-16)

“ Read this manual carefully before connecting line and operation phone. ”

## **SECTION A**

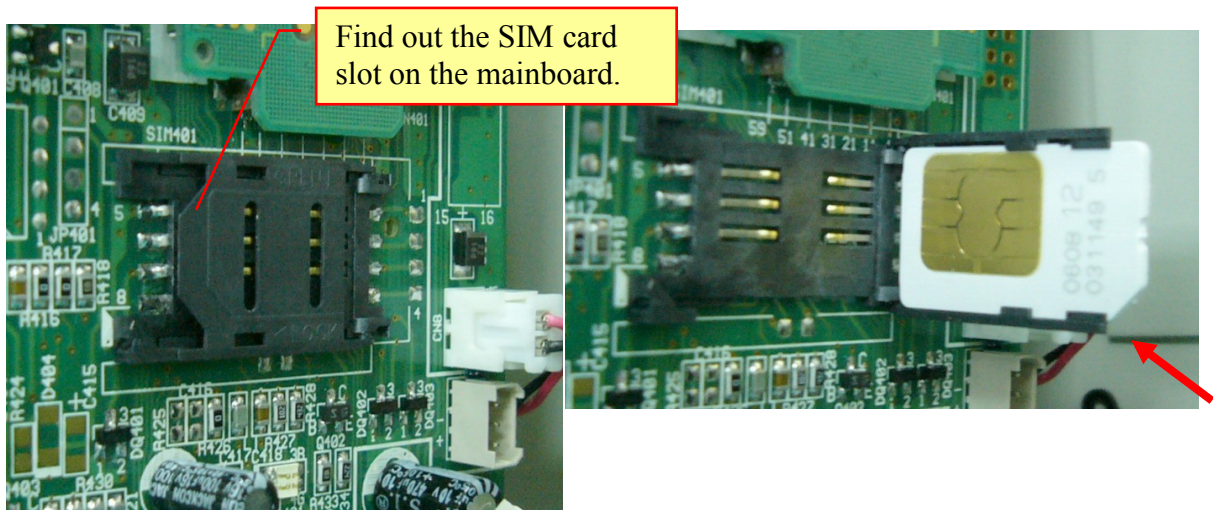
### **PHONE DISPLAY AND DESCRIPTION**



**SECTION B**  
**INSTALLATION**

## GSM SIM Card Installation Guide

1. First, it's necessary to remove the ac adapter.
2. Find out the SIM card slot on the mainboard.
3. Push the slot gate to open.
4. Pull the slot gate.
5. Insert the SIM card(watch out the SIM Card gap).
6. Push down the slot gate, and pull to lock.



The installation procedure presented in the conditions applies to the following :

- 1, New installation of the first time.
- 2, While the payphone is connected, the power is failure from PTT line, it may affected by power down or unplug the line cord.
- 3, While the payphone is connected, the payphone is being off hook status without dialing for long time, the PTT might disconnect the line and no power supply more. The status maybe affective during the time to process the function program.

## **Install Procedure**

---

The procedure as below need to be followed :

- 1, Ensure the handset is on-hook status properly, and PTT line is connected as well.
- 2, Lift the handset, and wait for some message is shown on LCD display.  
(The time period for waiting depend on the distance that the payphone installed far away from local exchange.)
- 3, If no message is showing on LCD display, replace the handset last for 5 seconds, and then, lift the handset one more time, the LCD should show some message, and the installation is completed.
- 4, If no message is showing same as previous, please repeat the above procedure step by step.
- 5, If you already have the payphone installed, and procedure are followed by the above description, but the installation is not succeed.  
Please unplug the line for a couple of minutes, and then, plug in the line again, repeat the above procedure step 1,2,3,4, same as previous.

## **SECTION C**

### **DESCRIPTIONS OF EACH PROGRAM**

# Programming Mode

---

Lift handset, remove cash box partially, and one second delay, LCD will show the contents of cash box, and then replaced the cash box in the proper position. Now the payphone is ready to be in function setting mode.

100PCS 100.00€

PROGRAM(00-23):\_

1, The following items are programmable :

- 00- Self Diagnosis - Phone function test
- 01- (Reserved)
- 02- Card Recognition
- 03- Hot Line
- 04- Free Call Programmed - Set for free frequent calls you use
- 05- Blocked Call Programmed - Block
- 06- Carrier - Set carrier number
- 07- Password - Set your password
- 08- PTT or PABX Connection - PTT regular line / PABX (dial 9 first) line
- 09- Tone/Pulse Switchable - Set which mode you want
- 10- Long Distance Call Control -
- 11- Incoming Call Programmed - Set to restrict or receive
- 12- Metering Pulse Selectable - Taxation pulse
- 13- Language Selectable - Select tax display
- 14- Coin Accumulation - Tells you how many coins have gain in the phone
- 15- Coin Validation - You use Euro coins to set the acceptance rate per coin
- 16- Clock Setting -
- 17- Voice Prompt Switchable -
- 18- Cashbox Capacity Setting -
- 19- Unit Price Programmed - Set how much charge per unit
- 20- (Reserved)
- 21- Tariff Programmed - Set amount of cost on each band
- 22- Minimum Insertion - Set amount of minimum insertion
- 23- Service Fee - Set amount of service fee charge

## Perform Instruction (Refer to PHOTO DISPLAY on page1)

- 2, (1),(2),(3),(4),(5),(6),(7),(8),(9),(0), Numeric key feature as phone number dialing.
- 3, (\*) key feature as "escape" performance, while button (\*) is depressed, and then return to last mode or escape from function setting mode.
- 4, (#) key feature as "save" performance, while button (#) is depressed, and then enter to next mode.
- 5, When "up/down selector◆" showing on the left of display, it feature as (1) button perform for value increased; and (4) button perform for value decreased.
- 6, When "up/down selector◆" showing on the middle of display, it feature as (2) button perform for value increased; and (5) button perform for value decreased.
- 7, When "up/down selector◆" showing on the left of display, it feature as (3) button perform for value increased; and (6) button perform for value decreased.

**SECTION D**

**BEGIN TESTING AND PROGRAMMING**

# 00 - Self Diagnosis

Programming self-diagnosis function :

**MAINTAIN (0-3) : \_**

- 1- Keypad testing
- 2- Coin acceptor testing
- 3- Collect solenoid testing

## 1 - Keypad Testing

Lift handset

**HOOK OFF**

Push (1) key

**1111111111111111**

Push (2) key

**2222222222222222**

Push (3) key

**3333333333333333**

Cashbox removed

**CASHBOX REMOVED**

Cashbox replaced

**CASHBOX REPLACE**

Handset good

**HANDSET GOOD**

Handset Failure

**HANDSET DEFECT**

When push (\*) (\*) button or hook on, keypad testing will be terminated.

## 2 - Coin Validator Testing

Coin acceptor testing items include :

- 1) **Four pairs photo diode testing** : To verify emitting and receiving diode is normal. Display showing "1234" indicate four pairs photo diode are normal. In case "x" symbol is showing, it indicate diode is defective.
- 2) **Circuit of coin validation testing** : To verify two sets sensor frequency is normal. Display showing "999" indicate sensor circuit is defective.
- 3) **Selecting and receiving solenoid testing** : To verify both solenoids are normal by means of moving sound of solenoid, it will be activated by half second interruption until four times are completed, and keep working in a regularly repeated order.

(normal)

**[ 1234 ] , [ 729 , 772 ]**

(4th photo defect)

**[ 123x ] , [ 729 , 772 ]**

(1st oscillator circuit failure)

**[ 1234 ] , [ 999 , 772 ]**

## 3 - Collect Solenoid Testing

To ensure coin acceptance is normal, collect solenoid need to be activated by each impulsion.

**COLLECT SOLENOID**

## 01 - (Reserved)

---

## 02 - Card Recognition

---

Swiped the card, and then waiting the signal(Several seconds) from the other side.

TONE(A) Signal

◆RECOG: TONE(A)

Waiting serveral seconds, 01s~30s

◆RECOG: WAIT 01s

◆RECOG: WAIT 30s

**After each band you program hit the (#) key. This saves your information and continues on to the next band.**

**Keep a written report of information you have programmed on each band for feature reference.**

## 03 - Hot Line

---

Hot line key function1 ~ function4.

Select the "f1~f4", then setting the number.

◆f1:123

**After each number is programmed hit the (#) key to save, then continue till complete.**

## 04 - Free Call

---

It is possible to program four groups of specified phone numbers for the purpose of having no-charge calls.

Free call making is allowed by dialing pre-programmed free phone number. Each free phone number must not be more twelve digits.

eg. Key in 32345226 and hit the (#) key to save.

◆FRE1 : 32345226

If free number need to be cancelled, just key in any numbers until LCD showing blank, and then hit the (#) key to save.

**After each number is programmed hit the (#) key to save, then continue till complete.**

## 05 - Blocked Numbers

---

It is possible to block four random numbers, the digits of these numbers must not be more than twelve digits.

So that the prefix of dialled number is same as pre-programmed block number, call making not allowed.

eg.. Key in 02 and hit the (#) key to save.

◆BAR1 : 02

And then all numbers with prefix "02" shall be blocked, when dialing is proceeding.

If blocked number need to be cancelled, just key in any numbers until LCD showing blank, and then hit the (#) key to save.

**After each number is programmed hit the (#) key to save, then continue till complete.**

## 06 - Carrier

---

Carrier number setting

eg.. Setting Carrier enable

◆CARRIER:ENABLE

Then enter carrier number and hit the (#) key to save.

08112264554

## 07 - Password Mode

---

Password with eight digits is required, and which can be programmed for the purpose of owner's password and function setting, so as to perform cash box content checking and enter programming.

The owner's password can be perform as cash box content checking.

Owner password setting

◆OWNER:\_

Function setting password setting

◆FUNC.:\_

If password need to be cancelled, just key in any numbers until LCD showing blank, and then hit the (#) key to save.

**After you have chosen hit the (#) key to save.**

## 08 - PTT or PABX Connection

---

This function have independent setting for either PTT line or PABX line to be connected with pre-determine payphone line.

When set for connecting to PTT

◆ LINE: PTT LINE

When set for connecting to PABX

◆ LINE: BEHIND PBX

In PABX mode, the prefix of maximum two digits code need to be programmed for external calling. eg. Key in (9) as prefix for external calling, and save with pusing (#) button.

**After you have choosen hit the (#) key to save.**

## 09 - Tone / Pulse Switchable

---

Tone mode positioned

◆ DIALING : TONE

Pulse mode positioned

◆ DIALING : PULSE

**After you have choosen hit the(#) key to save.**

## 10 - Long Distance Call Control

---

Local call open

◆ ENABLE : LOCAL

Local and Long distance call open

◆ ENABLE : LD

Local, Long distance and International call open

◆ ENABLE : IDD

**After you have choosen hit the (#) key to save.**

## 11 - Incoming Call Programmed

---

An option is provided to limit conversation time of incoming call.

Conversation time of incoming call is unlimited.

◆ INCOMING: FREE

Conversation time of incoming call is limited.

◆ INCOMING:10min

**After you have choosen hit the (#) key to save.**

## 12 - Metering Signal Selectable

---

It can function as eight types of taxation pulse at polarity reversal, 12/16khz and push talk button.

(Self-Tariffing) : Polarity reversal

◆ REVERSE

(Self-Tariffing) : Polarity reversal and loud button

◆ REVERSE+TALK

(Self-Tariffing) : Auto detection and loud button

◆ AUTO + TALK

(Self-Tariffing) : Push loud button to talk

◆ TALK BUTTON

(Self-Tariffing) : Tone C

◆ TONE C

This selection is functions as detect metering signal to start charging, and after charged by payphone.

LCD display shows the duration of time remaining.

00 : 29 0.00€

**After you have chosen hit the (#) key to save.**

## 13 - Language Selectable

---

LCD showing in Nederlan

◆ TEXT : NEDERLAN

LCD showing in Francais

◆ TEXT : FRANCAIS

LCD showing in English

◆ TEXT : ENGLISH

LCD showing in Deutsch

◆ TEXT : DEUTSCH

**After you have chosen hit the (#) key to save.**

## 14 - Coin Accumulation

---

To listing all the credit that collect coins since payphone was installed.

€€€= 1000.00€

**Attention** : During the emptying of the cash box, the counter for "coin accumulation" should not be reset.

## 15 - Coin Validation

The coin validator contains the electronic coin validator, which accepts genuine coins into storage pending collection.

Coins are subjected to electrical test to derive measurements for three parameters: thickness, diameter and alloy content.

Acceptance rates are based on a statistical sampling of coins from the total population of such coins

The coin validation is capable of validating six different coin denominations and can thus be readily programmed for acceptance or reject.

0.20€ 1st coin accepted

◆(1) 0.20€◆YES◆

To programming coins criteria by means of coin insertion, and saved with pushing (#) button.

Showing coin criteria which coin is inserted for learning.

611 - 616 , 751 - 756

**Use it at least 3 different coin, Put each coin through to get a more accurate validation. Hit the (#) key to save then continue till complete.**

### 1 - In sampling mode

To program coin criteria by means of coin insertion, each coin inserted at least five times is recommend, more sampling with each type coin, more accuracy of coins criteria is affected.

1st = 613 , 2nd = 753

Coin criteria will be showing on display after coins sampling and save with pushing (#) button, and then move to edit mode.

613 - 614 , 752 - 754

p1 p2 p3 p4

### 2 - In edit mode

Acceptance and reject rate are affected by the coin criteria that initiated from the result of coin sampling mode.

Criteria can be adjusted by :

Push (1) key decreasing p1, push (4) key increasing p1.

Push (2) key decreasing p2, push (5) key increasing p2.

Push (3) key decreasing p3, push (6) key increasing p3.

Push (8) key decreasing p4, push (0) key increasing p4.

**And saved with (#) pushing.**

## 16 - Clock Setting

---

Setting year	◆YEAR ----- 2006◆
Setting month	◆MONTH ----- 03◆
Setting date	◆DATE ----- 16◆
Setting hour	◆HOUR ----- 10◆
Setting minute	◆MINUTE ----- 08◆
Setting second	◆SECOND ---- 30◆
Setting weekday	◆WEEKDAY --- 4◆

After you have chosen hit the (#) key to save.

## 17 - Voice Prompt Switchable

---

The voice prompt function can be turn on or off.

Voice prompt function on	◆VOICE : TURN ON◆
Voice prompt function off	◆VOICE : TURN OFF◆

After you have chosen hit the (#) key to save.

## 18 - Cashbox Capacity Setting

---

Maximum capacity 200 pieces setting	◆CASHBOX : 200pcs◆
-------------------------------------	--------------------

After you have chosen hit the (#) key to save.

## 19 - Unit Price Programmed

---

Setting the charge credit of each unit that programmed in tariff band.

And this unit price is charged per pulse when setting in PTT Metering mode.

◆1 UNIT = 0.10€◆

After you have chosen hit the (#) key to save.

## 20 - Edit Tariff (Reserved)

---

### Attention :

When the payphone is connected with Remote Management System, the way is suggested to be done in which the tariff is edited on the PC as show on the window platform, and after, download the new tariff to the payphone.

If the tariff edit has been completed via keypad programming mode, it may cause the difference to the tariff between payphone and PC, after that you want to download tariff from PC to the payphone, the whole tariff chart need to be load by using the RMS downloading via PC.

The main procedure listing need to be follow :

### 1) Tariff chart replaced with new

You must obey the rules of the edit which control the tariff such as the same prefix in different number group shown as various rate. And the small digits number must be edited prior to the big digits number.

For example :

1 = local 01

12 = local 02

123 = local 03

.....

1234567 = local 07

Programming :

"1" shall be edited the first,

"12" shall be edited the next,

"123" shall be edited the next,

.....

"1234567" shall be edited the end.

If the rules not obey, the effects of wrong tariff will work out.

For example, "1234567=local 07" is edited the first, "123=local 03" is edit the next, and then all numbers group with prefix 123xxxx will be replaced with the rate same as local 03.

### 2) Edit procedure :

Key in the prefix number, and then hit the key (#) to confirm.

For example :

1#

12#

123#

1234567#

### 3) Programming prefix seven digits maximum

For example :

Local : xxxxxxx ( 7 digits programming)

LD : 0xxxxxxx ( 8 digits programming)

IDD : 00xxxxxxx ( 9 digits programming)

#### 4) Operation :

Enter prefix codes.

ENTER PREFIX :

Edit the local tariff band

123 : LOC01 ◆

Edit the LD tariff band

0123 : LD01 ◆

Edit the IDD tariff band

00123 : IDD01 ◆

- **FREE** means dialled number is free charge.
- **BARRED** means dialled number is blocked.
- **LOC01-LOC16** means dialled number is charged by local call tariff band.
- **LD01-LD16** means dialled number is charged by long distance call tariff band.
- **IDD01-IDD15** means dialled number is charged by international call tariff band.

**After each band you program hit the (#) key. This saves your information and continues on to the next band.**

**Keep a written report of information you have programmed on each band for feature reference.**

## 21 - Tariff Programmed

---

#### Local tariff programmed :

Local tariff band01 in normal

◆L01n: 1u◆ 60s◆

Local tariff band01 in discount

◆L01d: 1u◆ 60s◆

Local tariff band01 in economy

◆L01e: 1u◆ 60s◆

- (1),(4), key feature as tariff band selectable.
- (2),(5), key feature as charge unit adjustable ranging 1 unit to 200 units.
- (3),(6), key feature as conversation time adjustable ranging 0.1 second to 600 seconds.

#### Long distance tariff programmed :

LD tariff band01 in normal

◆S01n: 1u◆ 60s◆

LD tariff band01 in discount

◆S01d: 1u◆ 60s◆

LD tariff band01 in economy

◆S01e: 1u◆ 60s◆

- (1),(4), key feature as tariff band selectable.
- (2),(5), key feature as charge unit adjustable ranging 1 unit to 200 units.
- (3),(6), key feature as conversation time adjustable ranging 0.1 second to 600 seconds.

## 22 - Minimum Insertion

---

Local call minimum insertion

◆LOC Min= 0.00€◆

LD call minimum insertion

◆STD Min= 0.00€◆

IDD call minimum insertion

◆IDD Min= 0.00€◆

**After each band you program hit the (#) key. This saves your information and continues on to the next band.**

## 23 - Service Fee

---

The service fee charge user only one time when called party answer.

Local call service fee

◆LOC Ser= 0.00€◆

LD call service fee

◆STD Ser= 0.00€◆

IDD call service fee

◆IDD Ser= 0.00€◆

**After each band you program hit the (#) key. This saves your information and continues on to the next band.**

**SECTION E**  
**DEFAULT SETTINGS**

## Default Settings

---

Function Item	Descriptions	Default Value
01	(Reserved)	
02	IDD Tariff Program	
03	(Reserved)	
04	Free Call	(Blank)
05	Blocked Call	(Blank)
06	Carrier	DISABLE
07	Password	(Blank)
08	PTT or PABX	PTT Connection
09	Tone / Pulse	Tone
10	Long Distance call contro	Local+LD+IDD
11	Incoming Call	Free
12	Metering Pulse	AUTO+TALK
13	Language	NEDERLAN
14	Coin Accumulation	---
15	Coin Validation	as customer need
16	Clock	
17	Voice	Turn off
18	Cashbox Volumn	200pcs
19	Unit Price	0.10€ per unit
20	Edit Tariff (Reserved)	
21	Tariff Program	as customer need
22	Minimum Insertion	#####
23	Service Fee	#####

## **SECTION F**

### **CALL OPERATION INSTRUCTIONS**

## Call Operation

---

Lift handset and listen for dial tone	<b>INSERT COIN</b>
Insert 1 pieces coin 0.10€	<b>0.10€</b>
Dial phone number . . . . .	<b>32345226 0.10€</b>

At the end of dialing, as the called user answer, the display is showing the credit and time duration, which are equal to the value of inserted coins.

## Called Party Answer

---

### Line Polarity Reversal :

There is reversed signal will be send from local exchange when the party answered. The payphone will verify the calling procedure when the party answered, and the verification is subject to the line polarity reversal signal.

### Loud Button :

It is featuring as "push to talk". To push the button, when the party answered and then you are in conversation with the called party.

### Self Tariffing :

When the called party answers, the displayed credit and timing decreased by an amount according with the tariff programmed by the rhythm of the CPU taxation pulse generated by the payphone inside.

**00 : 59 0.00€**

**00 : 10 0.00€**

### PTT Metering :

When the called party answers, the displayed credit and credit decreased by an amount according with the unit price programmed by the rhythm of the taxation pulse generated by the local exchanger.

**(0.00€) 0.00€**

During the conversation, it allows the user to introduce further coins into the payphone while conversation is in progress.

At the end of a conversation, the handset is hooked, and unused coins remain in the payphone will be returned from return cup.

## New Call

---

The New call allows the use of remaining credit after the last call is completed.

### DO NOT HANG UP

Press the new call button

**0.10€**

Dial the phone number . . . . .

**32345226 0.10€**

Check the visual display to ensure that the remaining credit is sufficient to cover the minimum call fee, more coins may be inserted if required.

Conversation is proceeding when the party answers.

**00 : 29 0.00€**

## Redial

---

When the called party is busy, it allows to redial the last number without coin insertion again.

### DO NOT HANG UP

Listen for busy tone

**32345226 0.00€**

Press the redial button, and then last number will be redialed automatically.

**32345226 0.00€**

## Loud

---

It features as receiving volume increase when the payphone located in noisy environment.

Three volume levels are equipped, 3dB volume will be increase per level while loud button is depressed.

## Cashbox Remove

---

Lift handset

**INSERT COIN**

The visual display will indicate the contents of the cashbox, one second later after cashbox was removed partially.

**100PCS 100.00€**