



ALPHATRON  
Marine



# AlphaPhone 100 AS

Installation and Operation Manual

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# I Preface

## I.1 Revision history

| Revision No. | Description                               | Date           |
|--------------|---|----------------|
| V1.0         | First issue                               | 12-April-2017  |
| V1.1         | Change handset clip, some textual changes | 5-October-2017 |

## I.2 Glossary

The glossary contains a list of abbreviations and a list of definitions.

### I.2.1 Abbreviations

Abbreviations as used in this manual are explained in the table below

|      |                                   |
|------|-----------------------------------|
| DTMF | Dual-Tone Multi-Frequency         |
| FSK  | Frequency Shift Keying            |
| LCD  | Liquid Crystal Display            |
| PBX  | Private Branch eXchange           |
| PSTN | Public Switched Telephone Network |

# 1 Introduction

## 1.1 Features

The AlphaPhone 100 AS has the following features:

- Caller ID display for FSK / DTMF incoming calls.
- Menu Language: English / Dutch / French / German.
- Incoming call log: 100 fixed records (consists of 16 characters and 32 digits).
- Phone book: 100 records (consists of 16 characters and 32 digits).
- 16 outgoing call records.
- Two way speaker phone.
- Tone dialing only.
- 12 two-touch memories.
- 4 one-touch memories.
- LCD contrast adjustment.
- Pre-dialing.
- Real time clock.
- BABY CALL with a maximum length of 16 digits (with on-screen indication).
- Redial / Flash / Pause functions.
- Microphone mute with on-screen indication.
- In-use / new call indicator.
- Digital speaker volume control.
- Switchable ringer volume control with High / Low / Off levels.
- Ringer indicator.
- Telephone line power operation.

## 1.2 Description

|     |                         |  |
|-----|-------------------------|--|
| 1.  | HANDSET                 |  |
| 2.  | HANDSET MICROPHONE      |  |
| 3.  | COIL CORD               |  |
| 4.  | HOOK SWITCH             |  |
| 5.  | HANDSET GUIDE           |  |
| 6.  | LCD                     |  |
| 7.  | RINGER LED              |  |
| 8.  | MEMORY (M..)            |  |
| 9.  | DELETE                  |  |
| 10. | MUTE                    |  |
| 11. | VOL (Volume)            |  |
| 12. | UP                      |  |
| 13. | OK                      |  |
| 14. | PHONE BOOK              |  |
| 15. | DOWN                    |  |
| 16. | C (Cancel)              |  |
| 17. | M4                      |  |
| 18. | M3                      |  |
| 19. | M2                      |  |
| 20. | M1                      |  |
| 21. | IN USE / NEW CALL LED   |  |
| 22. | REDIAL                  |  |
| 23. | PAUSE                   |  |
| 24. | FLASH                   |  |
| 25. | HANDSFREE / SPEAKER KEY |  |
| 26. | SPEAKER MIC.            |  |
| 27. | LINE JACK               |  |
| 28. | HANDSET JACK            |  |
| 29. | RINGER VOLUME SWITCH    |  |

## 2 Installation

### 2.1 Mounting Base Unit

Installation instructions:

1. Connect one end of handset coil cord to Handset and the other end to Base Unit.
2. Use the straight Line Cord to connect the Base Unit at *socket (27)* to Wall Outlet.

**Note** Make sure that the sockets match the respective plugs.

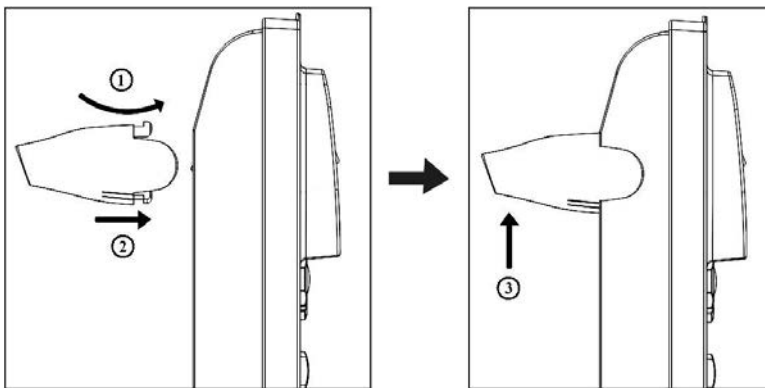
In case the place is not equipped with a compatible wall outlet, you may need an adapter, or you should consult your distributor/retailer for assistance.

3. The LCD display will change from low contrast to normal contrast during power charging.

The user can operate the unit with the following steps:

#### 1. Desktop

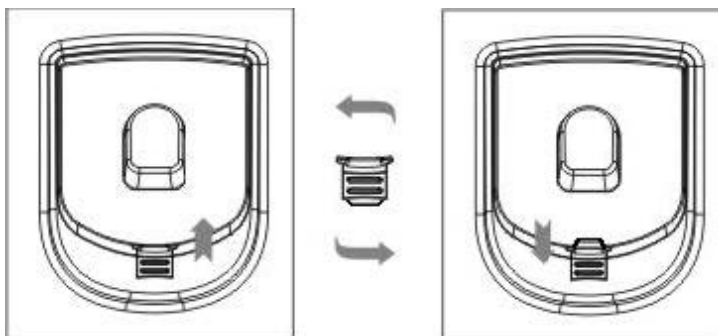
- To install base support to the bottom of the base, insert the upper hooks to the base (1)
- Push base support forward to the base (2)
- To remove base support from the bottom of the base, push the lower side of base support to upward direction (3)



#### 2. Wall Mount

This telephone set can be mounted on wall.

- To prevent the Handset from falling, take out the *Handset Guide (5)*
- Rotate the guide 180°
- Re-insert the guide in the original place



## 2.2 Handset Clip

A clip is mounted to prevent the handset of falling out of the base unit.



**Figure 1: Example, mounted clip**

When this clip is not necessary, it is possible to remove the clip.



## 3 Telephone Operation

### 3.1 Phone Setting

For adjusting the phone perform the following actions:

- At the on-hook or off-hook state, press OK key to start the setting mode.  
The LCD will display: VIEWMENU ↓ ↑ . Use the UP or DOWN key to select among different items.
- When you want to choose one item, press OK key again to go to the setting.
- After you have finished with this item, press OK key again to confirm and/or to move to another item.
- To change items, always use UP or DOWN keys.
- If you want to quit the setting mode at any time, press C key.

The settings of different items are shown in detail as follows:

#### 3.1.1 Change Language

To change the language setting perform the following actions:

- When the LCD displays SELECT LANGUAGE , press OK key once.  
LCD will show English (default setting).
- Use UP or DOWN key to select among the languages for English / Dutch / French / German.

#### 3.1.2 Change Date/Time

To change the date and/or time, perform the following actions:

- When the LCD displays: DATE/TIME , press OK key once.  
The year digits will flash.
- Use UP or DOWN key to change the year (Step is 1), then press OK key to confirm, and move to the setting of the hour.
- Repeat this operation to set the minute, day and month by turn.
- The LCD will automatically display the corresponding day of the week.

If a FSK format caller ID signal is received, the current month, date and time display will be updated (while the year remains unchanged).

#### 3.1.3 Change LCD Contrast

To change the display contrast, perform the following actions:

- When the LCD displays: CONTRAST ADJUST , press OK key.
- Use UP or DOWN key to select among 5 different contrast levels the one that you prefer.



**Note** The default setting is 3.

#### 3.1.4 Set Flash

To adjust the flash setting, perform the following actions:

- When the LCD displays SET FLASH , press OK key.
- Use UP or DOWN key to select the flash time: 100ms, 120ms, 300ms, 600ms.
- Press OK key to confirm, or C key to exit.

### 3.1.5 Input Phone Book Record

To insert a new number in the phone, perform the following actions:

- When the LCD displays: PHONEBOOK INPUT, press OK key once.
- Input the telephone number.
- Press OK key again to confirm the number.
- Input the name.



**Note** Use C key to correct.

- When finished, press OK key again to confirm.
- To exit the operation, press C key.

### 3.1.6 Edit Phone Book Record

To edit a phone number, perform the following actions:

- When the LCD displays: PHONEBOOK EDIT , press OK key once.
- Input the first character of name.
- Pressing OK key, will show the corresponding telephone number.
- If no character input, press UP or DOWN key to select the record that you want to edit.
- The cursor will be flashing on the last digit of the number by pressing OK key.
- Press C key to backspace the number and press OK key to confirm.
- The cursor will be flashing on the first digit of the name.
- Press C key to backspace, press OK key to confirm.
- To exit the operation, press C key.

### 3.1.7 Activate Babycall

To activate the babycall, perform the following actions:

- When the LCD displays BABYCALL , press OK key once.  
The LCD will display BABYCALL OFF (default).
- Use UP or DOWN key to turn it on.
- Press OK key to confirm.
- After inputting the BABYCALL number, press OK key to confirm.

Once BABYCALL is turning on, the LCD will display BABYCALL ON in idle display.

## 3.2 Operation at on-hook state

### 3.2.1 Receiving incoming FSK & DTMF caller ID

When receiving a phone call, the LCD will display the phone number together with the information of name, date, time, and the number if user had applied for the Caller ID service.

- A new number will carry a “NEW” icon,
- A repeated number will carry a “REP” icon.
- A message waiting will carry a # icon.
- A private call (when the caller prefers his/her number to be hidden) will display “PRIVATE CALL”.
- A call out of service will display “OUT OF AREA”.
- An incorrect incoming signal will display “NOT AVAILABLE”.

When the receiving phone call is a FSK format caller ID signal, the current month, date and time display will be updated (while the year remains unchanged).

If there is no information from exchange, the name shown on the LCD will be the same as in the phone book.



### 3.2.2 Checking incoming caller ID

User can use UP or DOWN key to view the information of the incoming calls including phone number, date, and time.

### 3.2.3 Re-dialing an incoming caller ID


For a local call, just press the SPEAKER /  key when the caller's number is on display.

### 3.2.4 Checking outgoing calls


User can use REDIAL/  key to view the outgoing numbers and duration of each call. To re-dial, press SPEAKER /  key or pick-up HANDSET directly.

### 3.2.5 Checking phone book

For checking the phone book perform the following actions:

- Press PHONE BOOK key and input the first character of name.
- By pressing PHONE BOOK key again, you can view the corresponding telephone numbers.
- When no character input, you can use PHONE BOOK key to view in sequence.
- To re-dial, press SPEAKER /  key directly.

### 3.2.6 Pre-dialing

Enter a phone number and press SPEAKER /  key to dial out.



**Note** For any input mistakes, press C key to correct.

### 3.2.7 Babycall dialing


Press any key except the OK key to dial out the pre-set number when BABY CALL function has been turned on.








### 3.2.8 C key

The use of the C key is different in the modes of the phone.

1. In the setting mode:
  - Correct any input mistakes
  - Quit the setting
2. In the pre-dialing mode:
  - Correct any input mistakes

### 3.2.9 Delete key

The Delete /  key can be used in different circumstances. Use the key accordingly:

- When scrolling outgoing calls, use  key to delete a phone number.
- When scrolling incoming calls, use  key to delete a phone number.  
 **Note** Press and hold  key for 4 seconds to delete all incoming call records.
- When scrolling phone book, press key  to delete a phone book record.  
 **Note** Press and hold  key for 4 seconds to delete all phone book records.

### 3.2.10 Phone number store

There are more possibilities to store a phone number in the AlphaPhone 100 AS. To store a phone number, perform one of the following actions:

1. One-touch memory
  - On-hook + pre-dialing number + OK + Mx (x = 1 ~ 4)
  - On-hook + incoming call + OK + Mx (x = 1 ~ 4)
  - Dial out:
    - Off-hook + Mx (x = 1 ~ 4)
    - Press Mx (x = 1 ~ 4) first and then off-hook
2. Two-touch memory
  - On-hook + pre-dialing number + OK + N (N = 1 ~ 9, 0, \*, # )
  - On-hook + incoming call + OK + N ( N = 1 ~ 9, 0, \*, # )
  - Dial out: on-hook + M.. + N ( N = 1 ~ 9, 0, \*, # )
3. Phone Book memory
  - Incoming call + OK + PHONE BOOK + edit of phone book + OK

### 3.2.11 Ringer volume control


Ringer volume can be adjusted to 3 different levels of **OFF / L / H** by the *slide switch (29)* at the bottom.

### 3.2.12 Ring Indicator (Ringer LED)


The ring indicator will be blinking when there is an incoming call.

## 3.3 Operation at the off-hook state

### 3.3.1 Checking incoming and outgoing calls

Use the UP or DOWN key to view the information of the incoming calls including phone number, date and time. Press REDIAL/  key to check outgoing call record with call duration.

### 3.3.2 Dialing for display mode

During the number shown on LCD such as incoming call, outgoing call and phone book memory, press SPEAKER /  key or pick up handset to dialing out the number.

### 3.3.3 Dialing Two-touch memory

Pick up the handset or press SPEAKER key and press M.. key and N (N=1 ~ 9, 0, \* or #).

### 3.3.4 Call Time

The display shows the duration of a call in progress since a number has been dialed out. Manual control is not available.

### 3.3.5 Pause key

Press PAUSE key to insert a delay time of 3.6 seconds in a dialing sequence.

### 3.3.6 Mute key


When during phone conversation, you do not want the person on the line to hear your voice, press MUTE key to cut off the microphone, MUTE ON will be prompted.

To resume conversation, press MUTE key again, MUTE OFF will be prompted.

### 3.3.7 FLASH key

During off-hook state, press FLASH key for recall that is used for some PSTN network and PBX services.

### 3.3.8 REDIAL key

When the phone is off-hook, press REDIAL/  key to dial out the phone number which was dialed out by user at the latest time.



### 3.3.9 In use / New call LED

The status of the phone is shown by the *In use LED (21)*.

- The LED is turned on during the phone is off-hook.
- The LED will be blinking while there is a miss call.
- The LED will be turned off after viewing all missed calls in incoming call log.

## 3.4 Two-way speaker phone operation

### 3.4.1 Speaker mode

To make a call, press SPEAKER /  key to activate the speaker phone. Press SPEAKER /  key again to deactivate the speaker phone when the call is over.

### 3.4.2 Speaker volume control

To change the speaker volume, press VOL key to adjust the volume levels during off-hook state.

## 4 Appendices

### 4.1 Appendix A: Dimensions

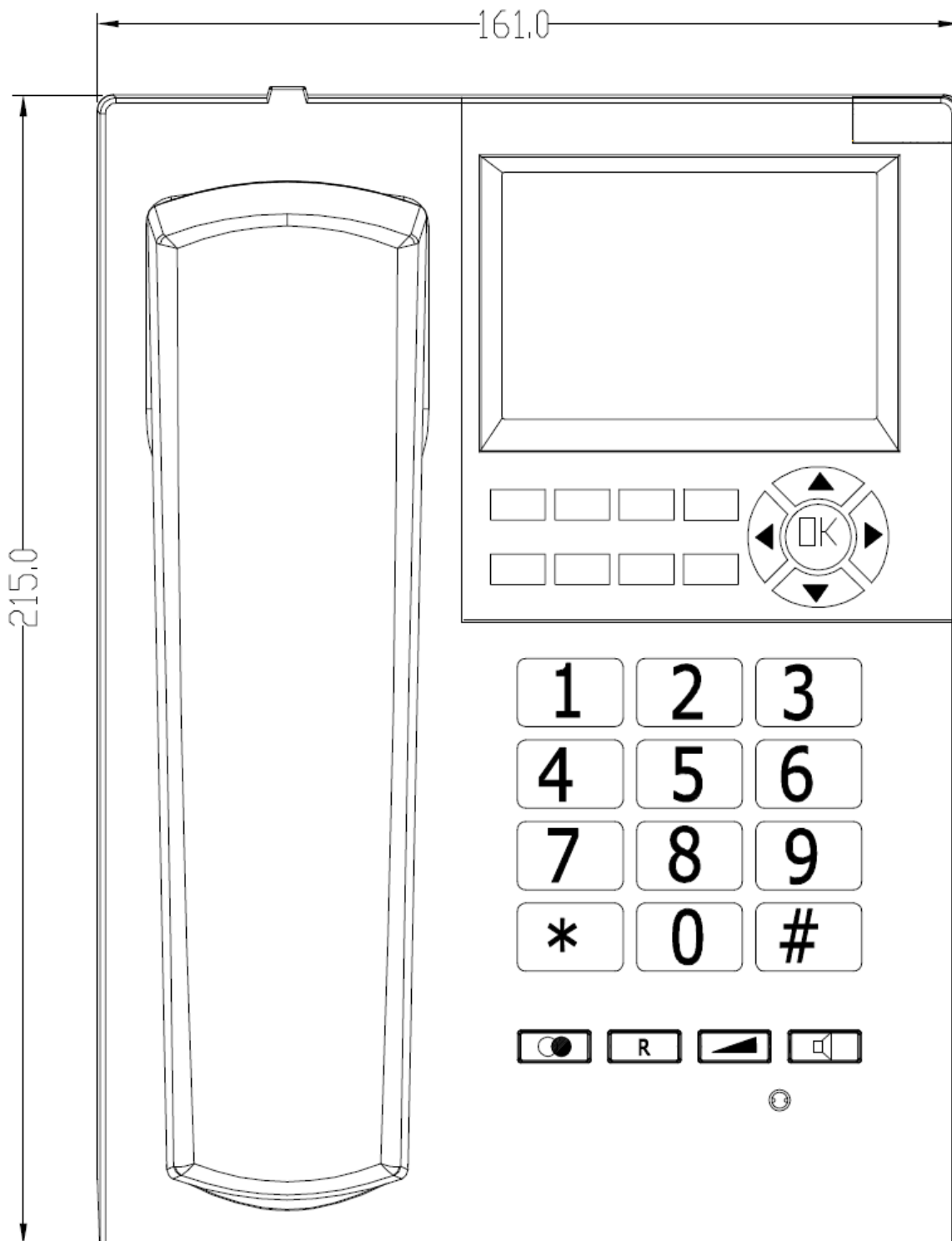


Figure 2: Dimensions topside of AlphaPhone 100 AS



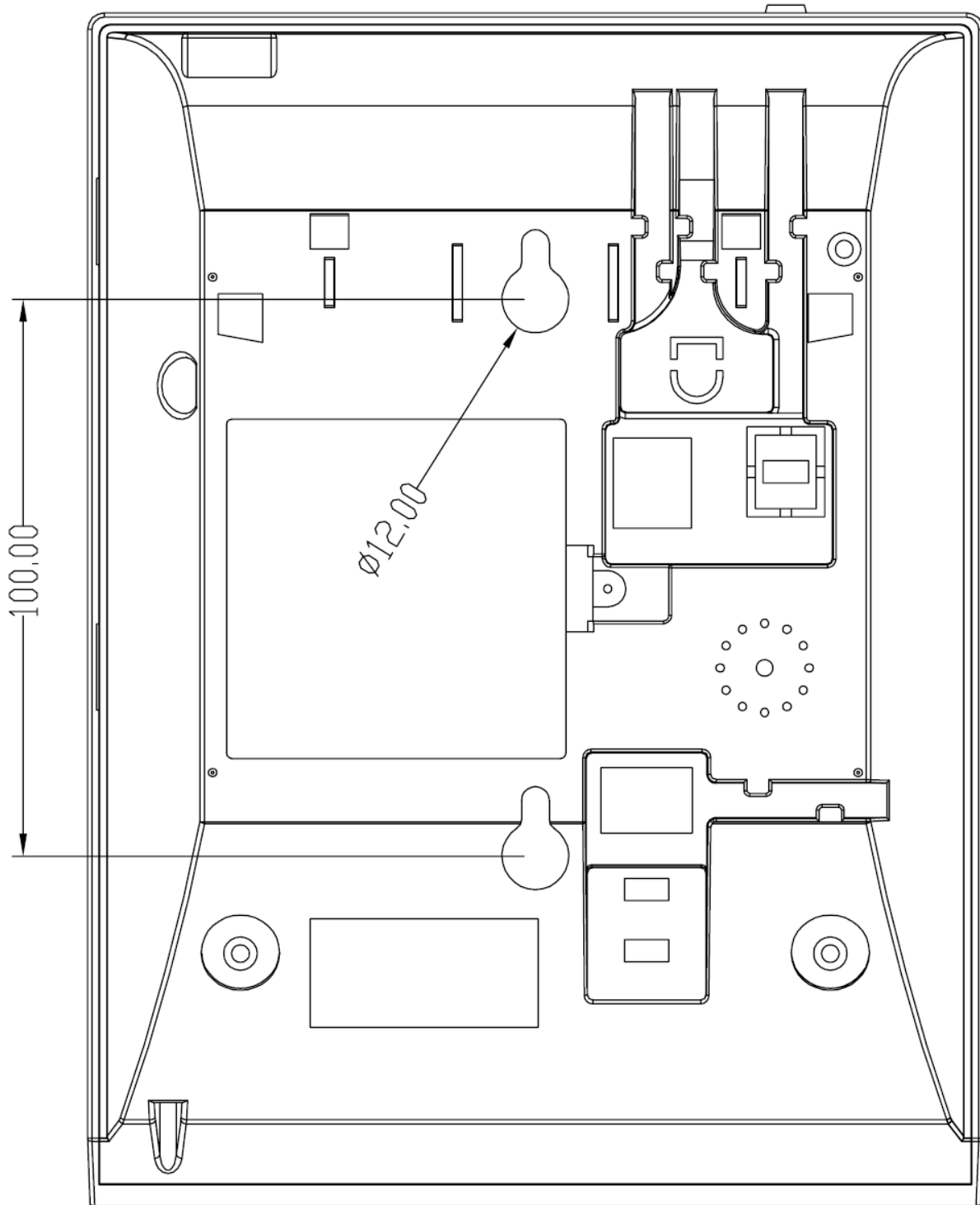
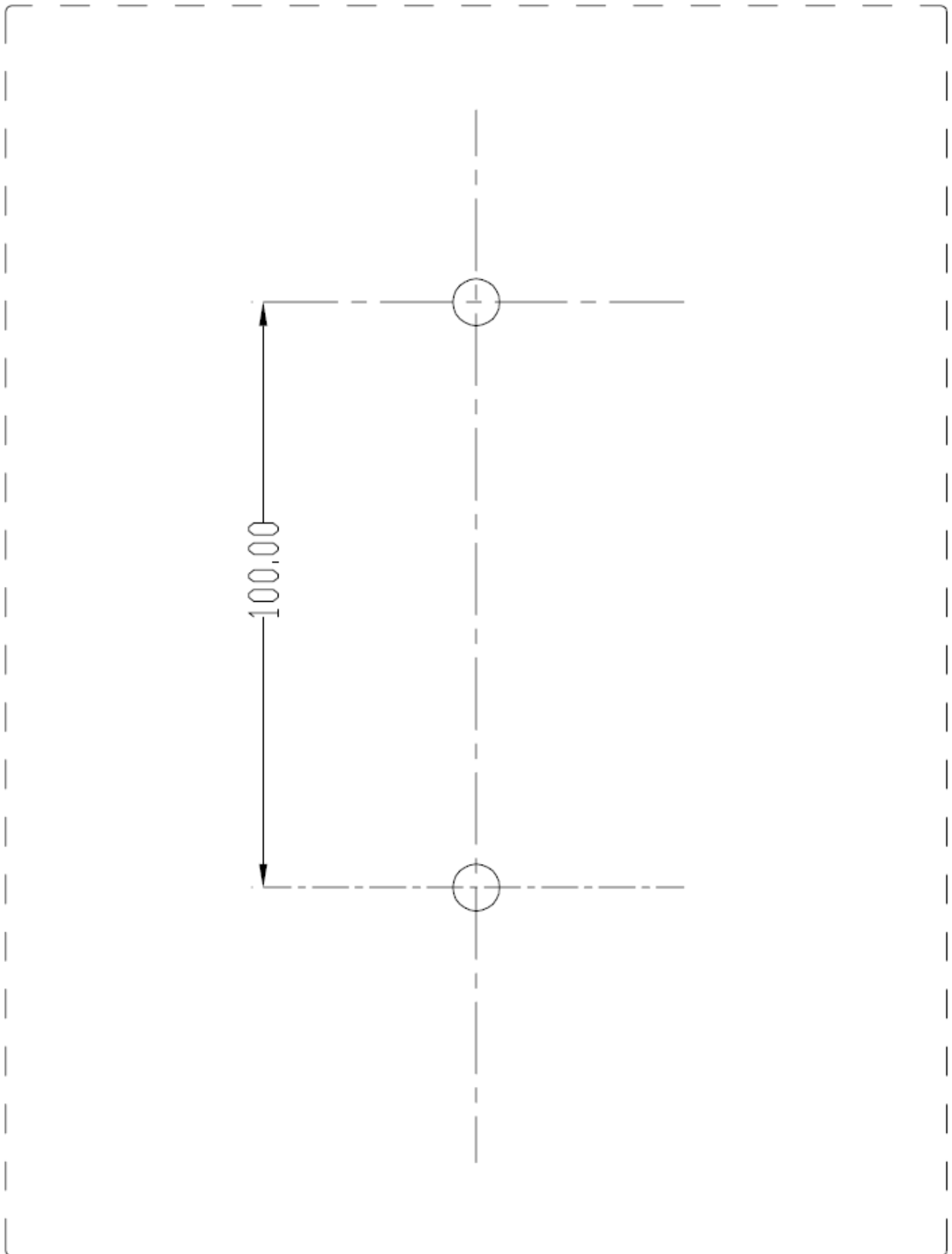


Figure 3: Dimensions bottomside of AlphaPhone 100 AS

## 4.2 Appendix B: Cutout



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close to the customer

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