

# PHONTECH

by ZENITEL GROUP

## USER MANUAL

62xx/72xx Terminals



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## List of abbreviations and definitions

The following symbols are used to describe the operating instructions:

- S** System and/or station status
- U** The user actions
- Activity in the system or station

**CONFIG:** This symbol indicates that the functionality is dependant of the configuration settings and refers to the Phontech 6200 configuration description.

The following keys are available on the keypad:



Number digits used to call extensions.



Soft keys used for direct intercom or miscellaneous UI functions.



Ok key used to confirm menu selections or dial the entered extension.



Back key used to exit sub menu items.



Speaker key used for activating speakerphone (handsfree) mode.



Hang up key used to terminate calls



Push To Talk key used for manual direction control in simplex mode.

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## Amendment Record

| NO | INIT | DATE | CHAPTERS | VERSION | REASON FOR CHANGE |
|----|------|------|----------|---------|-------------------|
| 0  | TH   |      | All      | A       | Initial release   |
| 1  |      |      |          |         |                   |
| 2  |      |      |          |         |                   |
| 3  |      |      |          |         |                   |
| 4  |      |      |          |         |                   |
| 5  |      |      |          |         |                   |
| 6  |      |      |          |         |                   |
| 7  |      |      |          |         |                   |
| 8  |      |      |          |         |                   |
| 9  |      |      |          |         |                   |
| 10 |      |      |          |         |                   |
| 11 |      |      |          |         |                   |
| 12 |      |      |          |         |                   |
| 13 |      |      |          |         |                   |
| 14 |      |      |          |         |                   |
| 15 |      |      |          |         |                   |
| 16 |      |      |          |         |                   |
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| 20 |      |      |          |         |                   |

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## SAFETY INSTRUCTIONS



This equipment contains CMOS integrated circuits. Observe handling precautions to avoid static discharges which may damage these devices.

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## 1. SYSTEM OVERVIEW

The Phontech 6200 Integrated Communication System is a digital communication system meeting all aspects of internal and external communication, information exchange onboard vessels, offshore installations and to/from onshore operation centers.

Based on the latest computer technology, it's flexible configuration is a cost effective solution for Intercom, Telephone, Public Address, Alarm, Loudhailing and Entertainment. The modern architecture allows for network connection including cascading, remote service and interface to/from other IP based systems and components.

Several new functions have been introduced including Direct Inward System Access and Distributed Universal Number Discovery. Phontech 6200 is compatible with all existing DICS stations available. Thus, Phontech 6200 offer a unique combination of analogue, digital and IP based communication terminals.





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## 3. CONFIGURATION DEPENDANT FUNCTIONALITY:

### 2.1 FLEXIBLE NUMBERING PLAN:

The system can have numbers ranging from 1 to 36 digits, 0-9 (CONFIG). The length of numbers can be mixed freely, but overlapping numbers (143 and 1435) will introduce a short delay on accepting the shorter number.

### 2.2 CALL GROUP:

A call group is a predefined selection of extensions (CONFIG) that will ring simultaneously when called. The call group can be integrated into the normal numbering plan. The first extension within the group to activate (“unhook”) will reply to the call. Already busy extensions will not be affected or affect the functionality of the other members of the call group.

When the call is replied to, and the ringing stops, all other group members will operate as normal.

### 2.3 CALL HUNTING GROUP:

A call hunting group is a predefined selection of extensions (CONFIG) that will ring one after the other when the group is called. The call hunting group can be integrated into the normal numbering plan. When an extension answers the call, the hunting stops. Already busy extensions will not be affected or affect the functionality of the other members of the call hunting group. It is worth noting that a call group can be a member of a call hunting group and vice versa.

### 2.4 PAGING GROUP:

A paging group is a predefined selection of extensions and external PA-interfaces (CONFIG). Preoccupied members of the group will not be paged, and the paging party will not be notified of any missing members.

### 2.5 ALERT GROUP:

An alert group is a predefined selection of extensions and external PA-interfaces (CONFIG). An alert group allow you to be notified with a short beep when certain events happen.



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## 2.6 INTRUSION:

This function must be enabled as a part of “Service Classes” **(CONFIG)**. It will override busy subscribers and subscribers with PRIVACY enabled.

## 2.7 CONFERENCE: **(CONFIG)**

The conference function uses “MeetMe” rooms. When enabled, a globally configured extension is the entry point to the conference rooms, where the user is asked to select a specific conference room. All parties must go through this entry point and select the same room.

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#### 4. SPECIAL FUNCTIONS OVERVIEW:

Special functions are available from intercom terminals.

The following list is an overview of the special functions.


| Entry Code  | Name                      | Description  |
|-------------|---------------------------|--|
| <b>*080</b> | Who am I / Identification | The system outputs the extension   |
| <b>*21*</b> | Call forwarding           | Forwards all incoming calls to the requested extension number  |
| <b>*57</b>  | Wake-up call              | Performs a Wake-up Call at the requested time.<br>The terminal will ring normally until it is activated (off hook) or automatically cancelled after 3 minutes. |
| <b>*081</b> | Echo test                 | Listen to yourself   |
| <b>*082</b> | 1kHz, 0dBm                | Listen to the 1kHz/1mW reference signal  |

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## 5. BASIC OPERATION:




### 4.1 PLACE A CALL:


#### Using the handset:

- S Idle
- U Unhook the handset
  - Dial tone
- U Dial the extension number (on 72xx press  to skip timeout)
  - Call tone
  - .....Conversation
- U Replace the handset

In general, when this document says to “Unhook the handset” you can alternatively use the speakerphone mode by pushing the Speaker key.

#### Speakerphone:

- S Idle
- U Push the  key
  - Dial tone (loudspeaker)
- U Dial the extension number
  - Call tone
  - .....Conversation (handsfree)
- U Push the  key or  key

Note: Both call modes support pre-dialing. To pre-dial, dial the extension number before unhooking the handset or pressing the  key.

### 4.2 GROUP PAGING:

- S Idle
- U Unhook the handset
  - Dial tone
- U Dial the PAGING GROUP access number **(CONFIG)**
  - .....Announcement
- U Replace the handset

### 4.3 CALL FORWARDING:

- S Idle
- U Unhook the handset
  - Dial tone
- U Dial [**\*21\***]
  - Tone off, system enters programming mode for CALL FORWARDING
- U Dial the number of the target extension

- 
- Confirmation tone
- U** Replace the handset

Note: While the extension is forwarded it is still possible to make calls

To clear call forwarding:

- S** Idle
- U** Unhook the handset
- Dial tone
- U** Dial [#21]
- Confirmation tone
- U** Replace the handset

#### 4.4 INTRUSION: (CONFIG)

The called party is busy in another call:

- S** Busy
- A message says to dial [1] to intrude
- U** Dial [1]
- The intruding and the called party are connected. The 3<sup>rd</sup> party is disconnected.
  - .....Conversation
- U** Replace the handset

#### 4.5 SET / RESET WAKE UP CALL:

Wake up can be activated for a time within the next 24h

- S** Idle
- U** Unhook the handset
- Dial tone
- U** Dial [\*57]
- Tone off, system enters programming mode for WAKE UP
- U** Dial 0-9 as: HHMM
- Confirmation tone
- U** Replace the handset

If the input data is faulty the system replaces the confirmation tone with the barring tone.

To clear wakeup call:

- S** Idle
- U** Unhook the handset
- Dial tone
- U** Dial [#57]
- Confirmation tone
- U** Replace the handset

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## 4.6 WAKE UP CALL:

The wake up call is automatically executed by the system at the requested time. The telephone unit will ring normally until the call is answered (Off hook), or for 3 minutes before automatically being turned off.

- Wake up Call
- U Unhook the handset
- Wake Up Tone
- U Replace the handset

## 4.7 WHO AM I / IDENTIFICATION:

The WHO AM I / IDENTIFICATION function is a way to read the extension number from each line in the system. It is very useful during installation to establish the true extension number and correspondence between the physical connection and the extension number. For more information see chapter 4.

- S Idle
- U Unhook the handset
- Dial tone
- U Dial [\*080]
- Tone off, system outputs WHO AM I / IDENTIFICATION information
- U Replace the handset

## 4.8 CONFERENCE: (CONFIG)

A conference is set up one participant at the time through the global entry point

- S Idle
- U Unhook the handset
- Dial tone
- U Dial the global conference extension
- System informs to select conference room
- U Dial the wanted room number
- ..... Conference

Each participant must follow the above sequence.

Replace the handset → terminates the participant

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## 6. INTERCOM UNIT FACILITIES :

### 5.1 ONE-BUTTON INTERCOM:

This functionality is dependant of having configured the one-button intercom memories (A, B or C) in the configuration **(CONFIG)**.

- S Idle
- U Dial **(A)** **(B)** or **(C)** (KEEP HOLDING FOR PTT MODE)
  - Extension dialled responds differently according to type:  
Paging group: Normal page.  
62xx72xx extension: Enters speakerphone mode.  
POTS extension: Rings normally.
  - .....Conversation
- U Press Speaker key / release **(A)** **(B)** **(C)** to terminate.

### 6.1 MANUAL VOICE DIRECTION CONTROL:

This facility can be used during calls where one or both members are located in noisy areas and the normal voice direction circuit is operating optimally. It will transfer the intercom unit from the normal duplex (2-way) (handset mode) or semi duplex (speakerphone) to simplex (one-way-at-the-time) mode.

- .....Conversation
- U Press the **(PTT)** key for more than 0.5 sec. to engage simplex mode
- U Press the **(PTT)** key to speak, release the **(PTT)** key to listen
- .....Conversation

### 6.2 RINGER VOLUME CONTROL:

The ringer volume control has 10 steps. The default volume setting is preset to any of the 10 levels in the configuration **(CONFIG)**. Minimum level is adapted to meet the requirement of a quiet cabin or office environment.

- S .....Ringing
- U Rotate menu wheel clockwise to increase ringer volume and counter clockwise to decrease ringer volume. Volume is stored after menu wheel is released.
- S .....Ringing

### 6.3 HANDSET VOLUME CONTROL:

The handset volume control has 10 steps. The default volume setting is preset to any of the 10 levels in the configuration **(CONFIG)**. Minimum level is adapted to meet the requirement of a quiet cabin or office environment.

- S .....Conversation (using handset)
- U Rotate menu wheel clockwise to increase ringer volume and counter clockwise to decrease ringer volume. Volume is stored after menu wheel is released.
- S .....Conversation

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## 6.4 LOUDSPEAKER VOLUME CONTROL:

The loudspeaker volume control has 10 steps independent of other volume settings. The default volume setting is preset to any of the 10 levels in the configuration **(CONFIG)**. Minimum level is adapted to meet the requirement of a quiet cabin or office environment.

- S** .....Loudspeaking conversation (using integrated microphone and internal / external loudspeaker)
- U** Rotate menu wheel clockwise to increase ringer volume and counter clockwise to decrease ringer volume. Volume is stored after menu wheel is released.
- S** .....Loudspeaking conversation

## 6.5 PRIVACY (Do Not Disturb):



- S** Idle
- U** Press the menu wheel to enter menu.
- U** Select settings and DND
- U** Select ON to enable Do Not Disturb.  
In this mode the ringer will be disabled, but you will still be able to receive calls and make outgoing calls.
- U** Select OFF to disable.

## 6.6 SOUND MODES:

The various intercom units can have up to 3 different sound modes:

- **Handset mode:** The handset microphone and earphone are enabled, any loudspeaker is muted, and the unit chassis microphone is muted.
- **Loudhearing:** The handset microphone and earphone are enabled, the internal/external loudspeaker is enabled, the unit microphone is muted
- **Loudspeaking:** The handset is on-hook (or absent) and thus disabled, the internal/external loudspeaker is enabled, the unit microphone is active. In this mode the unit is operating fully handsfree.

How to achieve the different modes:

- **Handset mode:** Off-hook the handset while idle.
- **Loudhearing:** Push the  key while the handset is off-hook.
- **Loudspeaking:** On-hook the handset while in loudhearing mode. Or push the  key while idle.

## 6.7 BACKLIGHT DIMMER CONTROL:

The backlight has 10 intensity levels.

The selected level is maintained through next change or restart/power up.

- S** Idle
- U** Press the **Menu wheel** to enter menu.
- U** Scroll down to **Settings** and **Backlight**
- U** Rotate **Menu wheel** clockwise to increase backlight intensity and counter clockwise to decrease backlight intensity. Backlight intensity is stored after menu wheel is released.

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## 6.8 DISPLAY CONTRAST CONTROL:

The display has 10 contrast levels.

The selected level is maintained through next change or restart/power up.

**S** Idle

**U** Press the **Menu wheel** to enter menu.

**U** Scroll down to **Settings** and **Contrast**

**U** Rotate **Menu wheel** clockwise to increase contrast and counter clockwise to decrease contrast.

Contrast is stored after menu wheel is released.

## 6.9 CHANGE RINGTONE:

There are two different ringtones to select from. The selected ringtone is set in the configuration **(CONFIG)**.



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