OmniPCX Enterprise

Alcatel 4029 and 4039 Sets

The CE mark indicates that this product conforms to the following Council Directives:
- 89/336/CEE (concerning electro-magnetic compatibility)
- 73/23/CEE (concerning electrical safety)
- 1999/5/CE (R&TTE)

CE

Alcatel 4029 and 4039 Sets

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Hardware description

1.1 Overview

The Alcatel 4029 and Alcatel 4039 sets are TDM sets, part of the Alcatel 9 telephone set series. They are implemented in OmniPCX Enterprise and are available as of R6.1.

Note: Throughout this document the term Alcatel 4029/4039 refers to the two Alcatel 4029 and Alcatel 4039 sets.

1.2 Set Description

Alcatel 4029 and Alcatel 4039 are identical but for the screen and number of available soft keys.

Figure 1.1: Alcatel 4039 Set Layout

Figure 1.2: Alcatel 4029 Set Layout

1.2.1 Set Equipment

The Alcatel 4029/4039 sets include the following items:

- Corded comfort handset
- Hands-free station speaker
- A number of keys
- A number of LEDs
- A set screen
- Additional key module (optional)
- Wall mounting kit (optional)
- "Big Foot" Foot stand 60° (optional)

1.2.2 Set Screen

Set screens are adjustable. Push the button on the left of the Alarm LED to move the screen up or down.

The Alcatel 4029 is a black and white screen. The Alcatel 4039 screen uses 4 levels of gray.

The Alcatel 4029 screen is 70 mm wide and 38mm high, and displays 64x128 pixels.

The Alcatel 4039 screen is 78 mm wide and 51mm high, and displays 100x168 pixels.

When in operation, both set screens offer three tabs:

- The Menu tab gives access to some functions and applications accessible by users

Figure 1.3: Alcatel 4029 Set Menu Tab Display Example

- The Perso tab includes up to 72 user programmable keys

Figure 1.4: Alcatel 4039 Set Perso Tab Display Example

- The Info tab provides infomation on the set status

Figure 1.5: Alcatel 4039 Set Info Tab Display Example

1.2.3   Set Keys

The Alcatel 4029/4039 sets include:

- A dialing keypad with 12 keys
- An alphabetic keyboard with 34 keys
  Five versions are available: French, German, International, Scandinavian and American.

- Fixed function keys
- A navigator consisting of 4 directional navigation keys
- Programmable keys (72 keys on the Perso tab and 2 personal keys)

1.2.3.1 *Fixed Function Keys*

Figure 1.6: Alcatel 4029/4039 Fixed Keys Layout

Key	Action
Navigator Keys	
OK	Validates data entry
Left	Goes back to previous tab (home page or call management)
Right	Goes to the next tab (home page or call management)
Down	Scrolls one page down in the soft key list
Up	Scrolls one page up in the soft key list
Other Keys	
Release	Terminates current communication
Hands-free	Enables or disables the hands–free feature: - Short press activates the hands-free feature. Enables to switch from handset to headset - Long press activates the Group Listening feature The hands-free function is a full duplex function with echo cancellation and attenuation

Key	Action
Volume - **+** - **-**	They adjust the set's: - Ringing level if used when the set is rung - Loudspeaker or handset volume if used in during a call - Screen contrast if used on an idle set In all cases: - The **+** key increases contrast or volume level - The **-** key decreases contrast or volume level
Mute	Switches to mute mode
Redial	- A short press on the key automatically dials the last number that was dialed - A long press on the key provides access to a list of up to eight last numbers previously dialed. *Note 1: For more information, see: module Multiple Redial List - Overview .*
Message	Provides access to: - Voice-mail services - Text message services - Unanswered calls - Callback requests
Exit/Home	- Long press exits current application - Short press goes up one level in the current application or exits the current application when at first level of the application - Short press switches back to home page when the display is set on the telephone application
Help	Displays help text

Note 2: The F1 and F2 personal keys, being user programmable fixed keys, are detailed in the following paragraph.

1.2.3.2 Programmable Keys

The programmable keys include:

- Up to 72 user programmable keys on the Perso tab of the Alcatel 4029/4039 set, i.e. 2x4 or 2x2 Perso tab keys per page on the set display. These programmable keys are activated from the **Perso** tab by pressing the desired soft key. Use the Navigator keys (when the desired soft key function is not shown on the set display) to scroll up and down the pages.

- Two personal keys (F1 and F2)

Note: In the US, F1 and F2 keys are programmed by default:

- *F1 puts the current conversation on hold*
- *F2 transfers the current call*

Keys F1 and F2 allow to:

- Program the user's preferred functions as, e.g. forwarding assistant call, headset, specific call number
- Access them rapidly

1.2.4   Set LEDs

The Alcatel 4029/4039 set LEDs consist of:

- An alarm LED (see figure: Alcatel 4039 Set Layout or figure: Alcatel 4029 Set Layout)
- A message LED (located on the message key)
- A mute LED (located on the mute key)
- A hands-free LED (located on the hands-free key)
- F1 and F2 LEDs (located on the corresponding F1 and F2 keys)

When the set binary files are being downloaded, the alarm, message and hands-free LEDs flash until initialization is over.

When the set is in operation, individual LED behavior is detailed in the following paragraphs.

1.2.4.1   Alarm LED

The alarm LED signals ringing and alarms.

LED Color	Signals
Green	Internal incoming call
Orange	External incoming call
Red	- Manager call (in an Assistant/Manager configuration) - Priority call - Alarm call

1.2.4.2   Message LED

The behavior of the message LED is determined by the **Message LED** configuration parameter defined in the set class of service: **IPTouch** > **IPTouch classes of service** > **Phone COS**.

When the attribute value is:	Then:
Blinking, on (default value)	When at least a message (alarm, voice, text, callback, unanswered call) has not been heard/viewed, the LED blinks red. After message consultation, the Message LED is lit red. If there is no message left in the message memory, the Message LED is off.

When the attribute value is:	Then:
Blinking, off	When at least a message (alarm, voice, text, callback, unanswered call) has not been heard/viewed, the LED blinks red. After message consultation, the Message LED is off.
Blinking	When at least a message (alarm, voice, text, callback, unanswered call) has not been heard/viewed, the LED blinks red. After message consultation, the Message LED blinks red. If there is no message left in the message memory, the Message LED is off.
Blinking, new msg, on (as per USA standard behavior)	When at least one message has been archived and/or there is at least one unanswered call that has not been heard/viewed, the LED is lit red. Message consultation does not alter this behavior. If there is no message left in the message memory, the Message LED is off.

1.2.4.3   Mute LED

In idle state, the mute LED is lit (yellow) only when automatic answer is activated.

In conversation, the LED flashes yellow when the set is mute.

The LED is off in all other cases.

1.2.4.4   Hands-Free LED

The hands-free LED is lit (yellow) when the set is in hands-free mode or in forced headset mode.

It flashes when the set is in group listening.

The LED is off in all other cases.
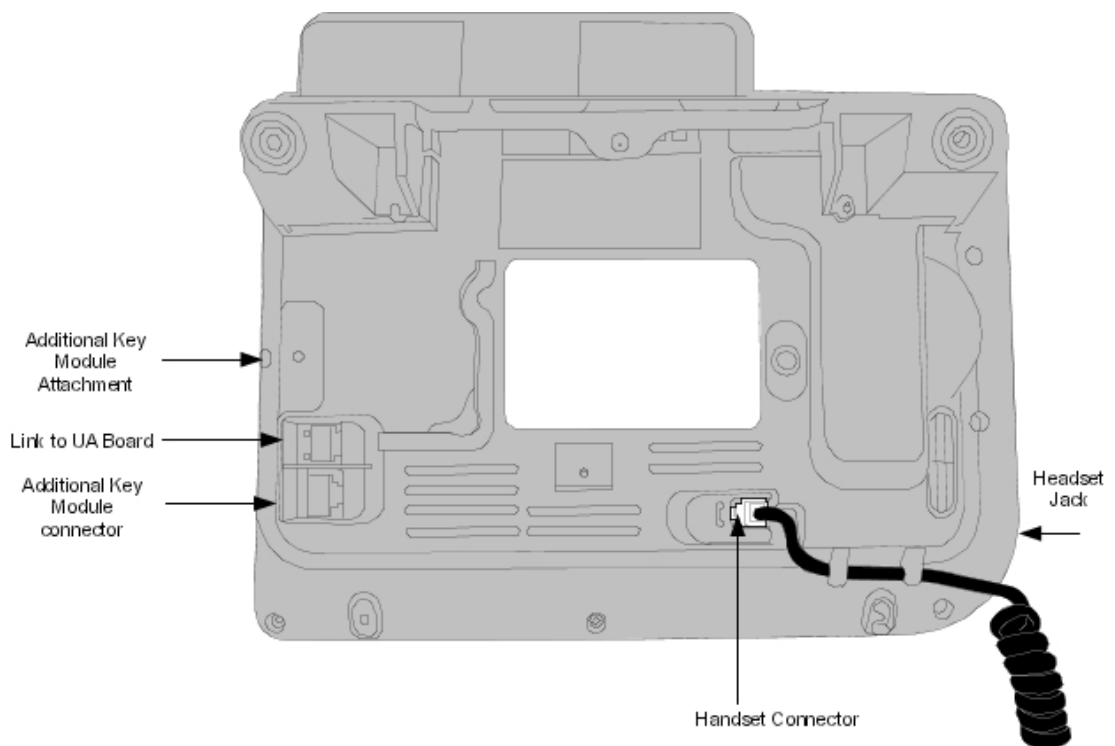
1.2.4.5   F1 and F2 LEDs

A small LED is lit green on F1 and F2 personal keys when these keys are being programmed and, depending on their contents, when the application they access is active.

Chapter **1** *Hardware description*

Chapter

2 *Commissioning*

2.1 Overview

This module presents all the actions required for commissioning Alcatel 4029/4039 sets.

It also describes necessary actions before mounting the set on a wall.

The following figure illustrates Alcatel 4029/4039 connectors.

2.2 Commissionning the Alcatel 4029/4039 Set

2.2.1 Prerequisite

Before commissioning the Alcatel 4029/4039 set, you must check that the user is declared in the OmniPCX Enterprise.

For more information, see: module Alcatel 9 Series Sets - Configuration procedure .

2.2.2 Connecting the Alcatel 4029/4039 Set

To connect the set to the OmniPCX:

1. Turn the set over

2. Plug the RJ11 cable in the corresponding set connector

3. Plug the other end of the cable onto the UA board on which the set has been declared
   The set starts initializing automatically.
   If this is the first set initialization or when there has been an upgrade of the OmniPCX software version, the Alcatel 4029/4039 set downloads binary and data files.

   Note: Both sets can be used prior to binary and data file download. As this download may take some time, it can be delayed by the system administrator to start when users are not at their desk, see: module Alcatel 9 Series Sets - Configuration procedure
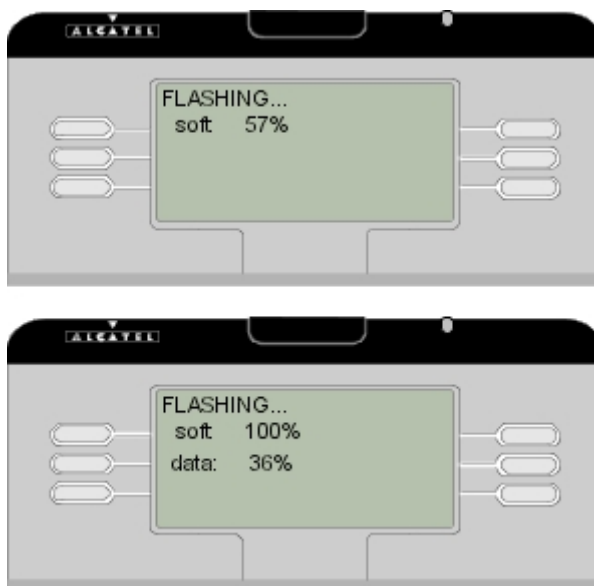
Figure 2.2: Alcatel 4029 Initialization Example

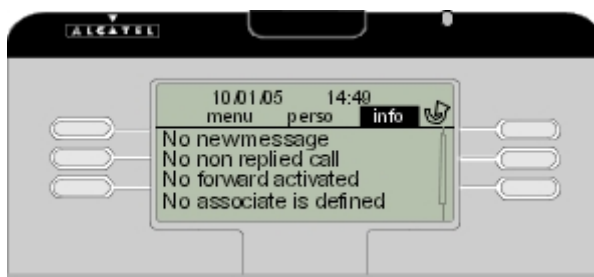The alarm, message and hands-free LEDs flash until download and initialization are over.

Figure 2.3: Initialized Alcatel 4029 Example

2.2.3 Connecting Optional Equipment

2.2.3.1 *Additional Key Modules*

Additonal key modules provide programmable keys associated with icons. Two types of additional key modules are available for Alcatel 4029/4039 sets.

- Additional key modules with paper label:
  - 10 key module
  - 40 key module
- Smart display modules. These are available in a 14 key version. They provide icons and LCD display of the contents of the keys.

Before using an additional key module, you must check that the module is declared in the OmniPCX Enterprise

For more information on additional key modules, see module Additional Key Modules for 8 and 9 Series Sets - Hardware description .

To program a key on an additional key module, perform as detailed <u>§ Programming Personal F1/F2 and Perso Tab Keys</u> .

2.2.3.2 *Headset*

The headset jack is located on the left side of the Alcatel 4029/4039 set.

The 3.5 mm female jack can receive a headset jack.

The hands-free key allows you to switch from handset to headset.

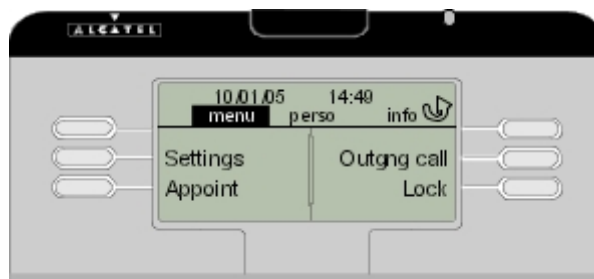Plug the headset jack into the associated set connector.

2.2.3.3 *External Station Speakers*

The headset jack is located on the left side of the Alcatel 4029/4039 set.

The 3.5 mm female jack can receive an external speakers' jack.

Customize your set to take the external station speaker into account:

1. From the Menu tab, select **Settings**

2. In the next screen, select **My extension** on an Alcatel 4039, **My phone** on an Alcatel 4029
3. In the next screen, select **Jack plug**

Enter your password and press **Apply**

4. Select **Loudspeaker** and press the **OK** button.

5. Plug the external station speaker jack into the associated set connector.

2.2.4 Programming Personal F1/F2 and Perso Tab Keys

If the keys have not been programmed yet, press any key, then go to item 4 of the following procedure.

If you want to change the number dialed by a programmed key:

1. From the Menu tab, select **Settings**

2. In the **Settings** menu, select **My phone**
   The menu **My phone** appears

3. Select **Key program**

4. Enter your password

5. Press **Apply**

6. Select the personal key you want to program. This key can either be the F1 or F2 personal key, or any key in the Perso tab, or any key of an additional key module

7. Select either:
   - **Services** for the key to be used as a shortcut to trigger a specific phone feature
   - **Speed dial** for the key to be used as a shortcut to dial any internal or external phone number

8. Confirm your entries

Use the same **Key program** menu to modify or delete the contents of a programmable key.

2.3 Before Mounting an Alcatel 4029/4039 Set on a Wall

The set must be prepared to ensure the handset does not fall off the set when fixed on a wall.

1. Locate the position of the dowel to adjust on the set

2. Move the dowel up to extract it

3. Turn the dowel upside down

4. Push the upside down dowel back into its slot.

Once the Alcatel 4029/4039 set is fixed on the wall, the dowel hook will maintain the handset in place.

To screw the set to the wall kit, proceed as described in the wall kit documentation.

Chapter **2** *Commissioning*