

## Operation

A KTD-404 series keypad can address and control 512 P/T/Z receiver sites, operate a matrix switcher with 64 monitor outputs, address and select views from 64 multiplexers, and provide management of access control points.

**NOTE:**



VCR control is only possible from the KTD-400 keypad.

**Key Layouts**

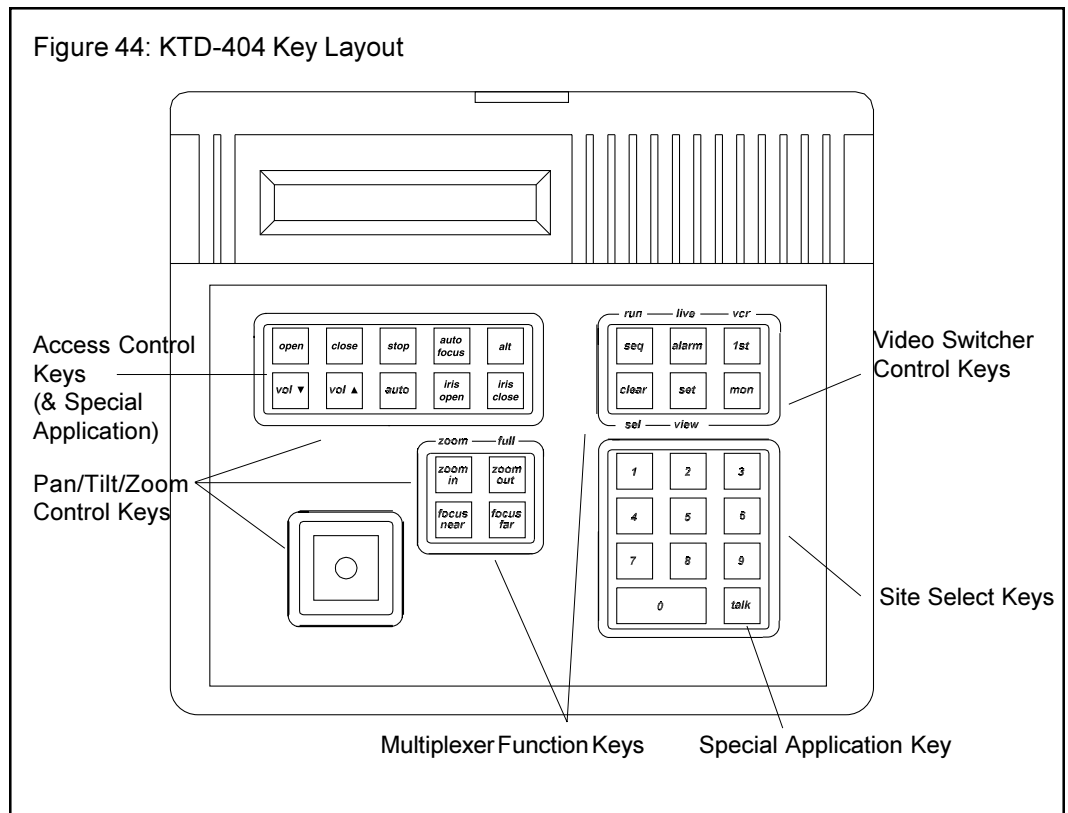
Figures 44 and 45 display key layouts for the KTD-404 and KTD-304R respectively. Description and operation of each key is presented on the following pages.

**NOTE:**

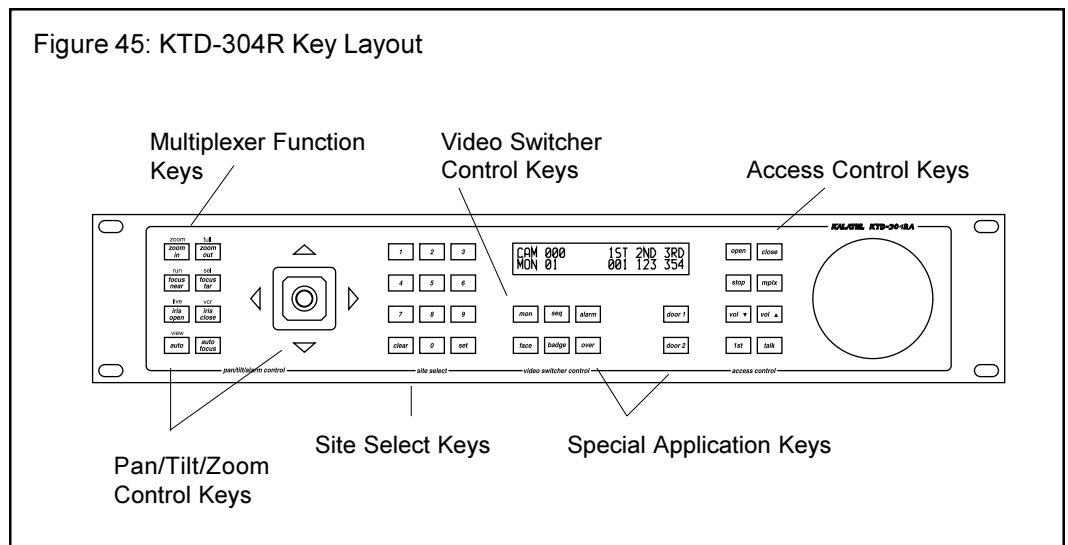


The preset and annunciation options referred to in this chapter will function only if activated during KTD-404 setup.

*KTD-404 Key Layout*



*KTD-304R Key Layout*



## Key Functions

### Site Select Keys

- Used for camera and monitor selection in DIGIPLEX operation mode, or camera and multiplexer selection in multiplexer operation. Also used for preset position selection when applicable.
- Refreshes alphanumeric display on the selected monitor. Also used to clear infinite alarms using numerical keys.
- Used in combination with  through  to find preset positions. Also used with  to engage the preset tour mode.

### Pan/Tilt/Zoom Control Keys

- ,  Used to control the zoom function of the selected receiver site's motorized lens.
- ,  Used to control the focus function of the selected receiver site's motorized lens. Also used to disengage the autofocus feature on the CyberDome.
- ,  Used to control the iris function of the selected receiver site's motorized lens. Also used to toggle between on/off when Backlight Compensation is enabled.
- Joystick** Used to move the selected receiver site's camera up, down, left, or right in P/T operation. Used to select views for multiplexer operation.
- Places the selected receiver site's pan/tilt unit in the auto pan mode (camera pans left and right automatically). Also used in combination with  to initiate the preset tour mode.
- Engages auto focus mode on the CyberDome.

### Video Switcher Control Keys

- Used in combination with the number keys (0-9) to select an active monitor.
- Used to select sequence tour on active monitor.
- Toggles the active monitor between the alarm on and alarm off modes.



### Access Control Keys


- ,  Used to operate the selected receiver site's door, gate, or turnstile access control.
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- Used in access control applications to automatically select camera sites in the order in which they call in. This key will function only when the keypad has been programmed for annunciation.

### Special Application Keys

- Used to select KTR-11 Face/Badge Reader's face camera.
- Used to select KTR-11's badge camera (or inserted badge view, if applicable).

,  Used to select auxiliary camera views from KTR-11's video switcher circuitry.

,  Used to operate the selected receiver site's door for access control.

 Used for two-way audio communication with selected site, when applicable (KTD-404A and KTD-304RA only).

,  Used to adjust audio level on KTD-404A or KTD-304RA.

**NOTE:**



The volume level at each audio site is stored in the memory of the 304RA and 404A's memory; when the site is called at a later date, it will not need to be adjusted again.



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**Multiplexer Function Keys**

**NOTE:**





The following keys may function differently, or not at all, on some models of multiplexers.


 Toggles the keypad between DIGIPLEX and multiplexer view control modes. This is the  key on the KTD-304R.

 Selects automatic switching of videos in lower right window of current view; also used in setup of motion detection areas.

 Used to select an active multiplexer.

 Toggles between a full screen view and a 2x view of the selected video, if available on the specific multiplexer.

 Used to view the live video inputs in any of the display modes; also used during setup of motion detection areas

 Selects VCR output for monitoring during taping or VCR input for viewing during playback. Also used in setup of motion detection areas.

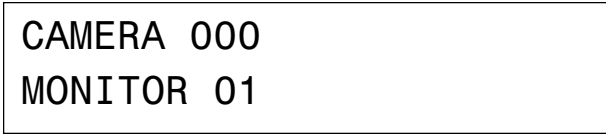
 Used by some multiplexer types to restore full view.

 Toggles between selected views.

## Keypad Operation

When power is first supplied to a KTD-404 series keypad, the LCD display will briefly display the words “Controller Keypad” or the keypad type and then appear as shown below:

Figure 46: KTD-404’s Normal Operating Display

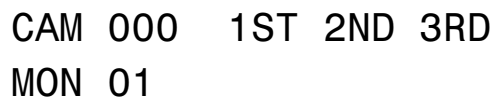


CAMERA 000  
MONITOR 01

From this display and by observing the system’s monitors, the operator uses the function keys for control.

If the annunciation feature has been activated, the display will also show an empty call-in queue.

Figure 47: KTD-404’s Normal Operating Display with Annunciation



CAM 000 1ST 2ND 3RD  
MON 01

### **Monitor Selection**

To select a monitor, press **mon** and use **0** through **9** to enter the desired number.

Example: To select Monitor 12, press **mon**, **1**, **2**

All video switching operations will now be performed on the selected monitor.

### **Camera Selection**

To select a camera, use **0** through **9** to enter the desired number.

Example: To select Camera 345, press **3**, **4**, **5**

The camera associated with the site will appear on the selected monitor, and all keys applicable to that site will become operational (e.g., pan, tilt, zoom, etc.).

### **Engaging Auto Focus on CyberDomes**

To engage auto focus on CyberDomes, press **auto focus**. Use **focus near** or **focus far** to disengage.

### **Finding a Preset**

To find a preset, select the desired camera, press **set** and use **0** through **9** to enter the preset number. The entry may be one or two digits depending on the largest preset position programmed in the keypad setup.

Example: To find preset 6, press **set**, **6**.

## NOTE:



The preset option referred to in this chapter will function only if activated during KTD-404 setup.

### **Preset Tours**

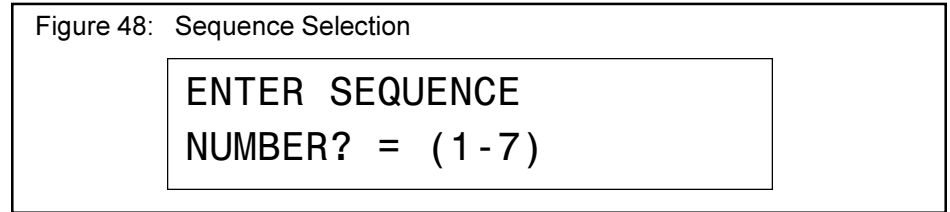
To activate a camera’s preset tours or ShadowTour, select the desired camera and press **set**, **auto**, and the tour number (1-4). On older models of the CyberDome, only one preset tour could be programmed. Entering any tour number will activate the preset tour.

To deactivate the tour, nudge the joystick.

### **Camera Sequencing**

To place a monitor in the sequence mode:

Select the monitor, and press **[seq]**. The following display will appear in the keypad's display window:



Use **[1]** through **[4]** to enter the desired sequence tour.

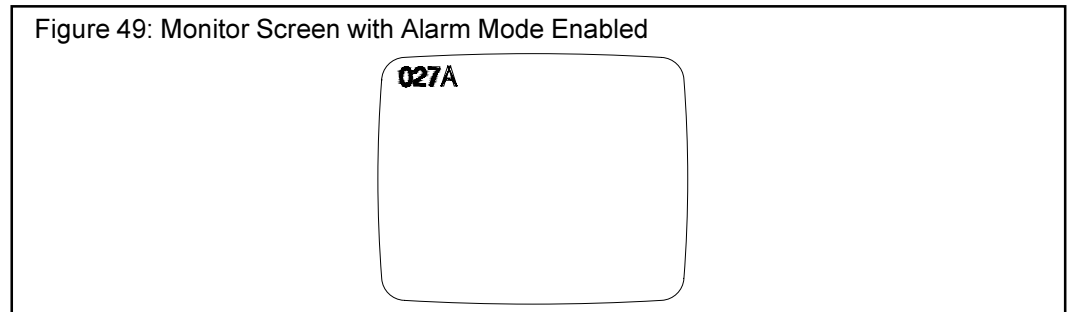
### **Setting Electronic Auto Pan Limits for Kalatel Domes**

To set the electronic auto pan limits on Kalatel dome receivers, first position the dome at the limit. While holding down the **[zoom in]** and **[zoom out]** keys, move the joystick in the direction of the limit being set.

**Example:** To set the left limit, move the dome to the position of the desired left limit. While holding down the **[zoom in]** and **[zoom out]** keys, move the joystick left .

### **Video Alarms**

To place a monitor in or remove it from the alarm mode, select the monitor and press **[alarm]**. Each time **[alarm]** is pressed, it either places the monitor in, or removes it from, the alarm mode. When a monitor is in the alarm mode, an "A" appears on the monitor screen. In this mode, the monitor will automatically call up alarmed sites.



**NOTE:**



A monitor will only respond to alarms if it is in the alarm mode. A manual video call up will take a monitor out of the alarm mode.

### **Clearing Alarms**

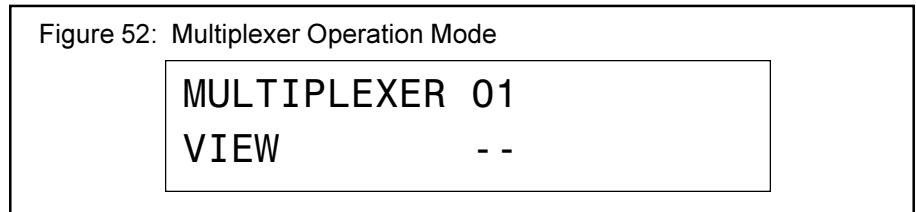
In a DIGIPLEX system, alarmed sites can be programmed to remain on the monitor screen indefinitely, and must be cleared by the operator. To clear the alarm, press **[clear]** and use **[0]** through **[9]** to enter the site number.

Example: To clear alarm site 22, press **[clear]**, **[0]**, **[2]**, **[2]**.



**Switching to Multiplexer Control Mode**

To enter the multiplexer operation mode press the **alt** key once and the following display will appear:



The keypad is now able to control multiplexers.

**Selecting an Active Multiplexer**

Press the **sel** key followed by the number keys to enter the multiplexer number you wish to control.

Example: To select multiplexer number 12 press **sel** , **1** , **2** .

**Calling up a Video Input on an Active Multiplexer**

Once the desired multiplexer has been selected, enter the video input number desired by using the number keys **0** - **9** .

Example: To call up video input number 9 on the active multiplexer, enter **0** , **9** .

### Selecting Multiple Camera Views on a Multiplexer

**Switching a Multiplexer to Live Video**

Press the **live** key to place the active multiplexer in the live video mode.

**Placing the Multiplexer in the Camera Sequence Mode**

Press the **run** key to place the active multiplexer in the video sequence mode.

**Viewing VCR Output or Playback.**

Press the **vcr** key to view the output for the VCR during recording or playback from the VCR during review of the VCR tapes.

**Operating Electronic Zoom**

For multiplexers equipped with zoom capability, the **zoom** key will switch the multiplexer to this mode. While viewing in this mode, the joystick is used to move the zoom area within the image. (Electronic Zoom may vary according to the model of multiplexer.)

Press the **view** key to step the active multiplexer between those views programmed to be available for that multiplexer. Each time the **view** key is pressed, the next available view will be displayed by the multiplexer.

