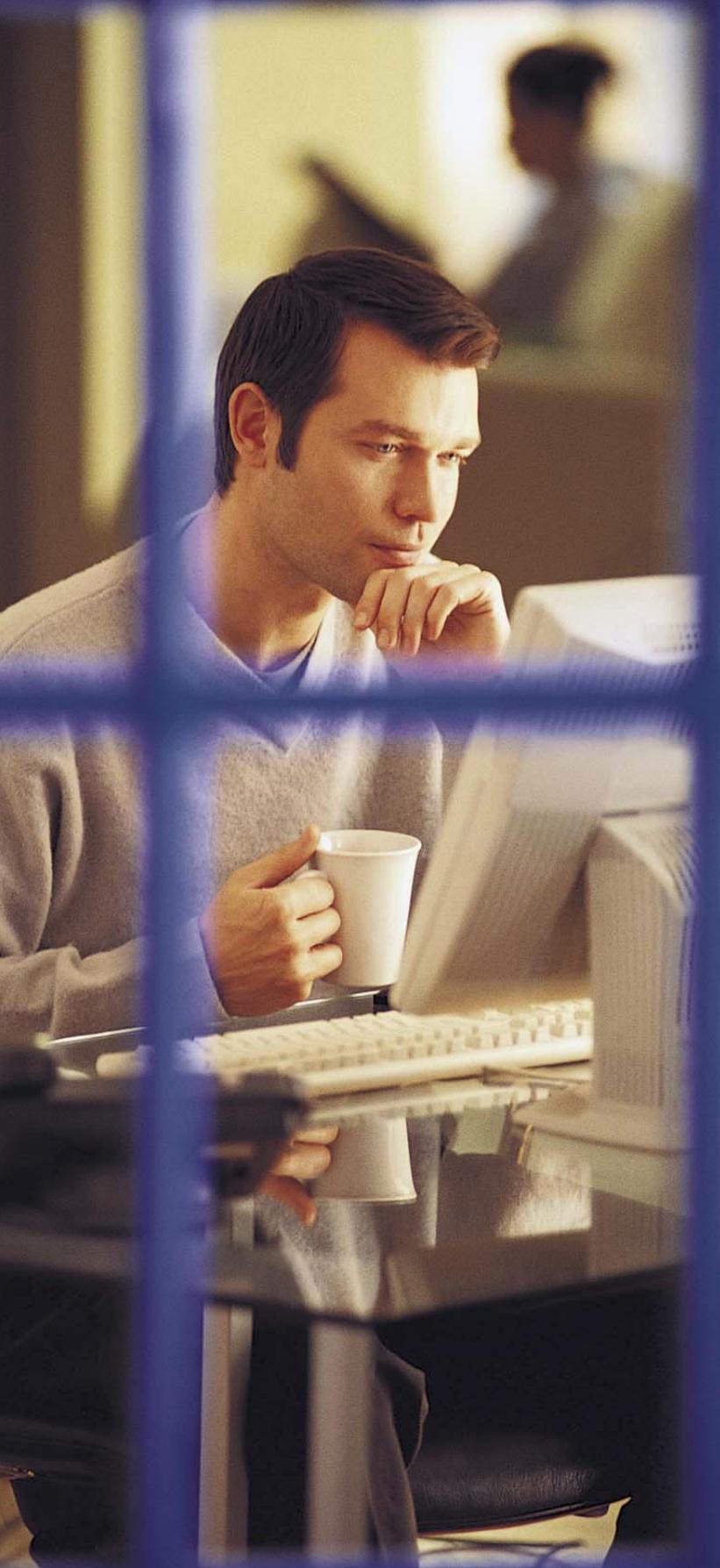# KX-TA824

Advanced Hybrid Telephone System

r e s i d e n t i a l

Panasonic
ideas for life

The Panasonic KX-TA824 Advanced Hybrid System is expressly designed to maximize home communications in your home. With its wide array of features, it offers the functions of both a telephone system and an intercom system, plus a whole lot more.

The KX-TA824 offers a variety of options to enable customized solutions. You can assign specific lines to each phone, make room-to-room intercom calls at the touch of a button, forward your calls to an outside location, monitor a room, page all system extensions, enjoy conference calls, and more. So you can tailor your telephone system to the varied needs of your household.

This powerful combination of flexibility, high performance and value has made Panasonic Communication Systems number one in Key Telephone/Hybrid Systems*

Expand Your System as Your Needs Grow

The KX-TA824 system works with standard telephone lines, so you don't need to upgrade your phone service. It features a base configuration of three central office lines and eight stations. It can be easily expanded to up to eight central office lines and 24 stations with the addition of two plug-in cards (models KX-TA82470, KX-TA82483 and KXTA82481).

A Variety of Options

Room-to-Room Intercom

The KX-TA824 Advanced Hybrid Telephone System's Room-to-Room Intercom takes the place of a traditional intercom while offering easy operation and a host of home conveniences. You can call any room in the house from any telephone in the house. And with the convenient Auto Answer function activated, the person you called may reply without even picking up the telephone. If you're finishing up some important paper work in the home office, this feature lets you speak to family members without leaving your desk.

Flexible Line Buttons

You can use the central office (CO) line buttons on each proprietary telephone to access a CO line or you can program them for one-touch operation of system features like intercom calling, speed dialing or paging. With the KX-TA824, dialing from room to room is extremely easy.

Simply lift the receiver and press the button that is assigned to the room you wish to call. For additional convenience, the different buttons may be clearly labeled via built-in designation strips.

Flexible Ring Assignment

This feature allows you to dictate which outside lines will ring on each phone. For instance, you can program business lines to ring in the office, and personal lines to ring in the bedroom, kitchen, etc. And if you have a separate line for your children, you can program it to ring only in their rooms.

Room Monitor

This great feature allows you to monitor your children's activity from any system phone in the house. So you can go about household chores while keeping an ear on the kids. The room being monitored must contain a proprietary system phone with a built-in speakerphone.

Conferencing

Consolidate your conversations and save time with the call conferencing feature. It allows you to combine two calls from two different lines, so you can talk to both parties at the same time. This feature is great for the home office, and also comes in handy for personal use as well. For instance, parent/teacher discussions can include mom and dad simultaneously with the use of this feature.

Night Day and Lunch Mode Settings

Using this convenient function, each telephone line in the home can be set to one of three modes (night, day, or lunch) based on changes in operation over the course of the day. You dictate flexible ring assignments and the class of service for each line. For example, you can program night mode so that when you go to bed, only the phone in the master bedroom will ring. Or you can set the system to lunch mode after business hours, so calls in your home office will be automatically forwarded to voicemail. Additionally, the level of toll restriction can be changed on a per extension basis.

Optional Built-in Messaging Card (KX-TA82492)

The KX-TA824 can be equipped with an optional messaging card (KX-TA82492) which adds simple voicemail messaging to the system. This 2-port card will store up to 128 messages, and has a maximum recording time of up to 60 minutes. Each extension has its own personal mailbox, and there is also a common mailbox for general messages. Users can record their own personal greeting, which will be played to callers transferred to their mailbox. When a message is left in a mailbox, the system will notify you by turning on the built-in message-waiting lamp on a Panasonic proprietary telephone. Built in Voice Messaging is an affordable solution perfect for your residence and home office.

Central Office Voice Mail Compatible

The KX-TA824 is compatible with the phone company voice mail service making it very easy to use. The way it works is, phone messages are stored in the voice mailbox at the phone company's central office (CO). Each outside line can be assigned its own CO voice mailbox. When a voice mail message is left on any one of the three outside CO lines, the large message-waiting LED will flash on each system phone and the associated outside CO line button will also flash. By simply pressing the flashing outside CO line button and the "message" button on any extension, the user can access their messages at any time.

Panasonic Voice Mail System Integration

If you require a fully featured Voice Mail system with a built-in auto attendant the KX-TA824 can be connected to our KX-TVA50 voice processing system utilizing Advanced Proprietary Integration. Advanced Proprietary Integration provides the VPS with more information than traditional Integration. This information enables the system to identify the extension number of the caller, know where, from, and why the call is forwarded, and recognize what the caller wants to do. Some features are available only with Advanced Proprietary Integration (Live Call Screening, Two-Way Recording, Two-Way Transfer, Direct Mailbox Access, Intercom Paging, Auto Configuration, Caller Name Announcement [system/personal], Caller ID Call Routing, Personal Greeting for Caller ID).

Caller ID, Call Waiting/Logging[1]

With the Caller ID feature, an incoming caller's phone number (or phone number and name if provided by the telephone company) appears on the LCD display of any Panasonic system display telephone. This information is

displayed while the telephone is idle or while you're on a call, allowing you to screen calls at a glance. The KX-TA824 even allows incoming calls to be screened from any display telephone in the house. Calls that are not answered can be recalled by accessing either the personal or system-wide Caller ID log.

Single-Line Device Integration

The Panasonic KX-TA824 Advanced Hybrid Telephone System allows you to connect many types of single-line devices such as answering machines, cordless phones, fax machines, computer modems, and even your favorite novelty telephone, without the need for additional cards or modules. Additionally, the system can pass Caller ID information to any Caller ID compatible single-line device.

Backlit Display and Dial Keypad

Easy-to-operate Panasonic KX-T7700 series telephones are perfect for personal and home office use and are designed to match nearly any decor. Their easy-to-see backlit dial keypad makes these phones ideal for use in the bedroom, home theater, or any poorly lit area. Model KX-T7736 includes a 3-line backlit LCD and model KX-T7731 includes a 1-line backlit LCD.

Doorphone and Door/Gate Opener[2]

Add security to your home with an optional Doorphone and Door Opener Adapter Card. With this option installed, the KX-TA824 can interface with up to four door intercoms (KX-T7775 or KX-T30865) and can control up to four electronic door contact closures. If you have more than one door intercom, you can assign each one a specific ringing pattern[3] to help you determine which intercom was pressed. The KX-T7775 Doorphone is equipped with contacts that allow guests to ring a standard doorbell as well. You can also use the adapter cards to control most low voltage devices.

System Speed Dial

This function lets you program up to 100 32-digit frequently called numbers into the system for quick and easy dialing from any system phone. So family members, trusted physicians, favorite restaurants for take-out, the local service station and more will be just a push of a button away.

Toll Restriction

This feature lets you prohibit certain outgoing calls by restricting selected system extensions from accessing specified area codes or exchanges. This can help prevent your children from making long-distance calls. Toll restriction can be changed based on time of day.

Paging and Page Pickup

This feature allows you to make a voice announcement simultaneously to all proprietary phones in the system.

Simply page and ask the individual you're trying to reach to pick up the nearest phone. Once that person dials the page pickup code, they'll be connected immediately. Rounding up the troops for work or play has never been easier.

Direct Inward System Access (DISA) with Outgoing Message and Fax Detection[4]

When several family members share one telephone line, you can make sure callers reach their intended party directly using Direct Inward System Access with Outgoing Message and Fax Detection Card. This option has a built-in 3-Level DISA Auto Attendant, which allows you to program up to three messages that will instruct the caller to dial a single-digit code for the desired party. The caller is then routed to the appropriate extension automatically.

DISA also enables you to call into the system from outside your home or office and utilize one of the system's lines to make calls. This feature can be helpful when you need to make calls from a remote location or a cellular phone.

Additionally, if a fax call is received (and a CNG tone is detected) during the outgoing message, the call will be automatically routed to the designated fax extension, eliminating the need for a dedicated fax line.

Off-Premises Call Forwarding

This feature comes in handy if you're going to be away from your home or home office and don't want to miss any calls. Simply program the system to forward your calls to an outside telephone number or to your cellular phone and you can answer your calls wherever you go.

Background Music

This feature allows you to connect an appropriate audio source to the system so family members can play music through any proprietary phone in the house with a built-in speakerphone. When the phone rings and the call is answered, the music will temporarily stop. Additionally the music will be played to callers who are placed on system hold.

PC Programming (Remote and On-Site System Administration)

Your Panasonic dealer can program the KX-TA824 Advanced Hybrid Telephone System utilizing a PC. In addition to quicker installation, this method allows the technician to save a database of your specific network parameters for use in getting the system back up and running quickly in the unlikely event that the system should fail. For remote programming the system is equipped with a built-in modem card, allowing your Panasonic dealer to make changes to your system from their office without having to visit your home. So your system can be adjusted remotely, at no inconvenience to you and your family.

1 – Requires subscription to name-and-number Caller ID service offered by certain telephone companies for a fee. Also requires an optional KX-TA82493 Caller ID card.

2 – Requires an optional KX-T30865 Doorphone and an optional KX-TA82460 Door Opener Adapter Card.

3 – Distinctive ring patterns are only compatible with Panasonic proprietary phones.

4 – Requires an optional KX-TA82491 DISA card.

Choose From a Wide Range of System Telephones

The Panasonic KX-T7700 series telephones offer a wealth of features from which to choose, so you can build a system that easily fits your family's needs. Flexible CO line buttons, programmable soft keys, monitor speakers, automatic redial and headset compatibility are among the many features available. Each model comes in either charcoal black or white, so you can choose the phone that best matches the décor of your home.

Features	KX-T7750	KX-T7720	KX-T7731	KX-T7736	KX-T7740
Programmable CO Keys	12	12	12	12	
Programmable Feature Keys	12	12	12	12	
Auto Answer/Mute Key		•	•	•	
Monitor	•				
Speakerphone Key with LED Indication		•	•	•	
Transfer Key	•	•	•	•	
Hold Key	•	•	•	•	
Navigation Key			•	•	
Speaker Volume Control	•	•	•	•	
3-Position Ringer Volume Switch	•	•	•	•	
Message/Ringer Lamp	•	•	•	•	
3-Line, 16-Character Backlit LCD Display				•	
1-Line, 16-Character Backlit LCD Display			•		
Backlit Dial Keypad			•	•	
LCD Contrast Adjustment			•	•	
J Type Handset	•	•	•	•	
2.5mm Headset Jack	•	•	•	•	
48-Button DSS Console					•
Colors	Black/White	Black/White	Black/White	Black/White	Black/White

Add a Wireless System Phone for Productivity and Mobility

The KX-T7885 cordless phone uses Panasonic Sound Charger™ technology for great range and crisp, clear sound. Model KX-TD7895 adds Digital Spread Spectrum technology for an even longer range and protection from eavesdropping. Both models feature flexible keys that can be programmed to access central office lines or system functions like speed dialing. They also have fixed keys for intercom, hold, redial, conference and transfer functions.

KX-T7885

- 12 CO Line Capability
- 3-Line Multi-Function Backlit LCD Readout
- Caller ID Compatible[1]
- Headset Jack & Belt Clip
- Message Waiting Indicator
- Long-Life Nickel Metal Hydride Battery
- Vibrating or Ringer Signal

KX-TD7895

- Digital Spread Spectrum Technology
- 12 CO Line Capability
- 3 Line, Multi-Function, Backlit LCD Readout
- Caller ID Compatible[1]
- Headset Jack and Belt Clip
- Message Waiting Indicator
- Long-Life Nickel Metal Hydride Battery
- Vibrating or Ringer Signal

BB-HCM371A camera

TV monitor receives image

BL-WV10A TV adaptor
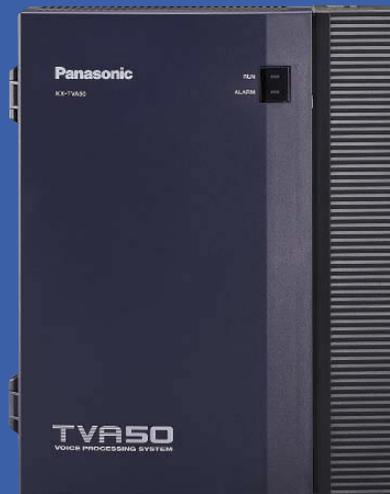
IP Camera Compatibility

For added security and monitoring of your house when you are away from home, Panasonic offers a wide range of Network Cameras. You can check the images on your PC, on your cell phone while you're on the go, or, with the optional TV adapter, right on your living room TV using the built in web page. The cameras are easy to use and all you need to set one up in your home is a broadband connection.

Most of the Panasonic network cameras are equipped with built in I/O connectors for sensors, microphones, speakers and external device control, making it easy to integrate with the KX-TA824. For example, by placing a camera at the entrance of your home and connecting it to the Panasonic KX-T7775 door phone, you can see who's at the front door when the doorphone button is pressed. You can even open the door when it's connected to an electric door strike.

Choose Voice Processing for Additional Options

By adding an optional Panasonic KX-TVA50 Voice Processing System, you can enjoy automated attendant services, individual voice mailboxes and more – without expensive software or hardware upgrades. And when the KX-TA824 Advanced Hybrid Telephone System is integrated with the KX-TVA50 Voice Processing System, you can benefit from the advanced features listed below. With all of these choices, it's easy to custom-design a system that's just right for your home.

Caller ID Call Routing
Caller ID Screening
Caller ID Name Announce
Intercom Paging
Trunk Service
Automatic Login
Toll Saver
Live Call Screening
Two-way Record
Two-way Transfer
Personal Greeting for Caller ID

KX-TA824 Features List

System Features

Auto Attendant DISA (3 Levels)
Account Code Entry
Alternate Calling - Ring/Voice
Analog CO Line Auto-Configuration
Automatic Callback Busy
Automatic Hold by CO/DSS Button
Automatic Outside (CO) Line
  Access
Automatic Pause Insertion
Automatic Redial
BGM Through External Pager
Busy Station Signaling (BSS)
Call Forwarding - All Calls
Call Forwarding - Busy/No Answer
Call Forwarding - Follow Me
Call Forwarding – To Trunk
Call Hold – Intercom & Trunk
Call Hold Retrieve – Station &
  Trunk
Call Park
Call Pickup Deny
Call Retrieving from a TAM
Call Splitting
Call Transfer - to Outside (CO) Line
Call Waiting
Calling Party Control (CPC)
  Signal Detection
Conference
Consultation Hold
Date and Time Setting
Data Line Security
Direct In Lines (DIL)
Direct Inward System Access
  (DISA)
Directed Call Pickup
Distinctive Dial Tones
Do Not Disturb (DND) Override
Door Opener
Doorbell/Door Chime Connection

Doorphone Call
DSS Console
Electronic Station Lockout
Electronic Station Lockout
  – Cancel All
Emergency Call
Exclusive Hold – Intercom & Trunk
Executive Busy Override
  - Extension
Executive Busy Override - Outside
  (CO) Line
Executive Busy Override Deny
Extension Group
External Feature Access
FAX Detection Using DISA
Flash
Flexible Numbering Extension
Group Call Pickup
Hands-Free Answerback
Hands-Free Operation
Idle Line Preference
Intercept Routing (DISA Only)
Intercom Calling
Last Number Redial
Limited Call Duration
Log-In/Log-Out
Music on Hold
No Line Preference - Incoming
One-Touch Dialing
Operator Call
Operator/Manager Extension
Outgoing Message (OGM)
Outside (CO) Line Ringing
  Selection
Outside Calling
Paging – External
Paging Through Built-in Speaker
  - All Calls
Paging Through Built-in Speaker
  - Group
Paralleled Telephone Connection

Personal Speed Dialing
Pickup Dialing
Power Failure Transfer
Prime Line Preference - Incoming
Prime Line Preference - Outgoing
Proprietary Telephone Setting Data
  Default Set
Pulse to Tone Conversion
Remote Station Lock Control
Ringing Line Preference
Ringing Pattern Selection
Room Monitor
Saved Number Redial
Screened Call Transfer
  - to Extension
Secret Dialing
Simple Voice Message feature
Station Hunting - Circular
Station Hunting - Terminate
Station Message Detail Recording
SMDR
System Administration On-Site
System Administration PC Remote
  and Onsite
System Data Default Set
System Speed Dialing
Time (Day/Night/Lunch) Service
Timed Reminder
Timed Reminder, Remote
  (Wake-Up Call)
Toll Restriction
Toll Restriction for Special
Carrier Access
Toll Restriction Override
Toll Restriction Override-System
  Speed Dialing
Unattended Conference
Unscreened Call Transfer - to
  Extension
Unscreened Call Transfer to
  Outside (CO) Line

Voice Mail Integration
Walking COS

Telephone Features

Message Waiting for Another
  Extension
Absent Message Capability
Analog Caller ID Call Waiting from
  Central Office
Analog Caller ID for Extension
  (FSK)
Analog Caller ID from Central
  Office
Background Music (BGM)
Call Log Information, Incoming
Call Log Lock, Incoming in the
  Common Area
Call Log Lock, Incoming in the
  Personal Area
Call Log, Incoming in the Common
  Area - CLEAR ALL
Extension Button Confirmation
Flexible Buttons
Handset/Headset Selection
Line Access Buttons
Message Waiting
Microphone Mute
Self-Extension Number
  Confirmation
Volume Controls

Specifications: KX-TA824 Control Unit

Capacity:	3-8 CO Lines, 8-24 Extensions	Dialing Conversion:	Tone to Pulse or Pulse to Tone	Backup:	Several Hours with UPS (depending upon use)	External Music:	2-Conductor Jack
Intercom Path:	4 Paths	Switching:	Space Division CMOS Crosspoint Switch	Connections:	CO Lines: Modular Jack (RJ-11)	SMDR:	RS-232C Interface Port (D-Sub, 9-Pin)
Dialing Method:	External: Tone/Pulse (10 pps, 20 pps)	Power Failure:	Transfer: 2 CO Lines to Pre-Assigend Extensions	Intercom:	4-Pin Modular Connector (RJ-14)	Power Source:	AC 120V, 60Hz
	Internal: Tone/Pulse (10 pps, 20 pps)			Paging:	Phono Jack	Dimensions (H x W x D):	11-3/4" x 14-1/2" x 4"
						Weight:	11.7 lbs.

Design and specifications subject to change without notice.

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