



# KX-TAW848

Advanced Hybrid Wired/Wireless Telephone System



**Panasonic**  
**ideas for life**

## System Overview

The KX-TAW848, designed specifically for upscale home applications and small business environments, offers a modular design that allows you to tailor the system to meet your specific needs.

Similar to the popular KX-TA624 system, the KX-TAW848 allows connectivity with the KX-T7700 series of proprietary wired telephones, single-line devices and voice mail integration. However, the KX-TAW848 is unique relative to its KX-TA624 sibling in that it is not only a traditionally wired PBX system, but it also has the option of adding a complete Multi-Cell Wireless phone system. This dynamic addition provides a new level of clear wireless system communications with expanded area coverage unheard of in a system of this size and price.

In terms of capacity, this system can be configured with a maximum of 8 CO lines and up to 24 wired and 28 wireless

telephones. Wired extensions include the 7700, 7300 and 7000 series proprietary telephones, single line telephones (SLT) and up to 4 door intercom/openers.

A modular design combined with PC programming makes installation fast and easy. And any additional maintenance can easily be performed off premises by the installer with the optional remote card. All in all, the KX-TAW848 is a great system if you are looking for the latest technology combined with extraordinary flexibility at a price that won't break the bank.



# System Features

## Caller ID<sup>1</sup>/Call Logging

Caller ID displays the incoming caller's phone number, or name and number (if provided by the local phone company), when used with a Panasonic system display phone or a Caller ID compatible<sup>2</sup> single line telephone. Calls that are answered or not answered that are directed to a group or an individual extension can be logged, and the total calls that can be logged are assignable through system programming on a per extension basis. Logged calls can be called back by going off-hook while viewing the display and pushing the redial key. There are also up to 1000 programmable entries, of name and number for Caller ID service, that can be administered by either you or the installer.



## Call Forwarding

There are four types of call forwarding: all calls, busy, no answer and busy/no answer. With these four options your calls can be forwarded whenever and however you like. And, all four options can be established by dialing a code or programming a feature key to forward your calls to a specific destination. You can also forward group calls, as well as, internal and external calls that can be forwarded to an internal extension or an external telephone number. Each call can be forwarded up to four times.

Incoming intercom and transferred calls to your extension can easily be forwarded to you outside the office. You can now forward your calls to your cell phone, another location, or even your home. Calls can reach you almost anywhere in the world, 24 hours a day, 7 days a week. Another great feature is "follow-me" programming, which allows you to remotely set Call Forwarding from another phone within your organization, so calls to your extension will reach you while you roam.

## System Speed Dialing

The KX-TAW848 provides up to 1000 system speed dial numbers (32 digits long for each) for all extension users. Both you and the system administrator can program system speed dial numbers and names.

## Conferencing

The KX-TAW848 system allows you to have multiple conference calls from 3-party up to 8-party calls at the same time. This feature can prove to be quite beneficial for those who do a lot of conference calling within the office.

## Account Codes

Account codes can help manage your telephone expenses by identifying incoming and outgoing external calls for accounting and billing purposes. The system can be programmed to force the use of an account code or not. The account code is appended to the Station Message Detail Recording (SMDR), which is very useful for billing back clients, or to simply keep a record of the time spent on the telephone for a specific project.

## Direct Inward System Access (DISA)

The KX-TAW848 allows an outside caller to access specific system features without operator assistance, as if the caller was using an extension in the system. The outside caller can have direct access to the following features: single-digit access to extensions, outside party calling, intercom calling to an extension, modem (for remote system administration), external paging (for TAFAS) and extension group. Additionally, callers can be required to dial a security code to access extensions or the system's outside lines.

With the optional KX-TAW84891 2-Channel Message Card, DISA also offers a built-in Auto Attendant. With the Auto Attendant you can record a preprogrammed message for incoming calls. This message would direct callers to press a certain number for the extension they wish to reach. By doing so, the Auto Attendant can route callers to their desired location through answering a few preprogrammed questions. This will save time for both the caller and those who would otherwise have to direct call traffic.



## SD Card

Flexibility is the key with any telephone system. The system software and local database information are stored permanently on the removable Panasonic SD card. If for some reason the system suffers a catastrophic failure, you can be assured that all the important information on your system can be easily loaded back into the system from the SD card. In addition, the SD card makes it a simple task to upgrade the system with new features.

## Programming and Maintenance

Dealer technicians have multiple password protected access points to program the system and perform maintenance. The system is equipped with a built-in RS232 and a USB port for onsite access and PC programming. It can also be set up so the system can be accessed remotely via an optional dial-up modem card.

<sup>1</sup> Requires subscription to fee-based telephone company service.

<sup>2</sup> Requires Optional Hardware

## 2.4GHz Wireless Telephone

Integrating 2.4GHz Multi-Cell wireless telephones with the KX-TAW848 means that the benefits of your phone system can now “follow” you where ever you are on your premises.

Digitally enhanced wireless telephony allows voice and data transmission via radio waves, within the range of up to 4 strategically-placed cell stations. As you move throughout the coverage area, the system provides seamless communication by handing off the call from cell station to cell station. It's a low-cost and highly flexible solution that keeps people connected whether they are in the warehouse, in a showroom, in a home or just about anywhere on site.

### 2.4GHz Multi-Cell Wireless Telephone System Features

- 28 handsets can be registered to one system (Up to 8 can be used simultaneously)
- Handsets can be registered on multiple systems (office and home)
- Secure high-quality digital speech transmission and reliability
- Caller ID name and number compatible<sup>1</sup>
- Programmable, multiple ringer types, including a silent vibrate mode
- Access to 1000 system and 100 personal speed dial numbers



#### **KX-TD7690**

- Premium Wireless Handset
- Only 2.57 Ounces
- Up to 12 CO or Feature Soft Keys can be Programmed
- Speakerphone
- Auto Answer
- 2.5mm Headset Jack
- 5-Line Backlit LCD Display



#### **KX-TD7680**

- Wireless Handset
- 5.3 Ounces
- Up to 12 CO or Feature Keys can be Programmed
- Speakerphone
- Auto Answer
- 2.5mm Headset Jack
- 3-Line Backlit LCD Display

1- Requires subscription to fee-based telephone company service.

## Convenience At Your Fingertips

### Backlit Alphanumeric Display

The KX-T7736 is equipped with a 3-line, 24-character backlit LCD display that provides visual feedback making it easier to handle calls and perform other tasks. You can use the displays to view a variety of information or access the system's features. The display also provides incoming call information on intercom calls or CO calls. You can even program system features via LCD prompts.

### Hands-Free Speakerphone

The KX-T7720, 31 and 36 telephones are equipped with a speakerphone providing convenient hands-free operation for making and receiving CO and intercom calls. When Auto Answer is on, the system is an intercom; calls are automatically answered, allowing you to reply to the caller without touching the telephone.

### Flexible CO Line Buttons

The Central Office (CO) line buttons of each telephone in the system can be individually programmed to suit the specific needs of each telephone user. You can program CO line buttons for Direct Station Selection (DSS) for room-to-room or office-to-office calling, Busy Lamp Field (BLF), automatic dialing or one-touch access to the feature used most often.

### Navigator Key

Panasonic 7700 Series display phones feature a navigator key for easy access and operation of both system and personal speed dial lists, as well as, speaker and handset volume controls.

### Doorphone/Door Opener

Add security to your business or home with a doorphone and door opener. The KX-TAW848 supports up to 4 door intercoms, each of which can be programmed with its own distinct ring tone. You can also control up to 4 electric door strikes or any compatible type device, allowing you to open a door or a gate from any telephone.

## Easy to Use. Hard to Choose.

					
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			•	•	
Speakerphone		•	•	•	
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

Panasonic offers a range of headsets designed to decrease discomfort and fatigue, for use with these telephones. If you already have a Panasonic KX-TA telephone system, the KX-TAW848 will work with your existing telephones—making it an even less expensive solution to upgrading your communications system.

## Features That Mean Business

The Panasonic KX-T7700 Series Proprietary Telephone comes in four stylish variations that are perfect for the home or office. With features such as an easy-to-read, 3-line LCD, two tilt positions, a stylish J-type handset and the option of being wall mounted they not only look good, but they make life simple for users too.

### Multifunction LCD

Alphanumeric LCD providing simple key access to:

- Incoming caller's name and number (Caller ID<sup>1</sup> required)
- Call log – up to 100 incoming and 10 outgoing calls can be recalled and redialed (Caller ID<sup>1</sup> required)
- Call duration
- Calling extension name

### Large Backlit LCD Display

- 3-line backlit display

### Message Lamp

- Large message/ringer lamp—alerts you when voice mail messages are left

### Preset Feature Keys

- Fast access to most commonly used features

### Hands-Free Speakerphone

- Integrated speaker for hands-free operation

### Headset Jack

- Allows hands-free usage for PC or paperwork
- 2.5mm

### Backlit Dial Keypad

### Programmable Keys

24 keys with 2-Color LEDs  
12 CO Keys  
12 Feature Keys

### Keys can be individually programmed as:



#### CO Key

- Direct access to a CO line (CO Keys Only)



or



#### Direct Stations Selection (DSS) Key

- One key access to Stations or Station groups



or



#### Auto-Dial Key

- 32 digits can be programmed per key for external calling



or



#### Features Access Key

- Simplified activation of system features

### Navigation Key

- Fast and reliable operation
- Adjust handset, speaker and ringer volume
- Adjust LCD contrast
- Search through speed dial
- Access menu options

### Flexibility

- 2 Position-angle adjustment and wall mountable

KX-T7736 White Shown

<sup>1</sup>Requires subscription to fee-based telephone company service.

## Voice Mail Integration

The final step in designing your system to handle calls is voice processing. Panasonic has numerous voice processing models to choose from, each containing a built-in auto attendant, interview service and voice mail. The KX-TAW848 features built-in software that digitally

integrates with Panasonic voice processing systems, providing a high-speed communication path between the PBX system and the voice processing system. This digital interface allows you to take advantage of innovative Panasonic voice mail features such as:

- **Live Call Screening**
- **Remote Live Call Screening**
- **Two-Way Record**
- **Two-Way Transfer**
- **Intercom Paging**
- **Direct Mailbox Access**
- **Auto Configuration**
- **Caller ID<sup>1</sup> Routing**
- **Caller ID<sup>1</sup> Name Announce**
- **Caller ID<sup>1</sup> Personal Greeting**

1 – Requires subscription to a fee-based telephone company service.



**The TVS50 is one of many voice processing systems compatible with the KX-TAW848**

## KX-TAW848 System Specifications

Switching	Non Blocking
Power Voltage	AC 100V ~ 240V AC Adapter
Memory Back-Up Duration	7 Years
Dialing	
CO Lines	DP (10pps, 20pps), DTMF
Extension	DP (10pps, 20pps), DTMF
Connectors	
CO Line	RJ11 (2 wire) x each CO Port
Station	RJ11 (4 wire) x each Extension Port
Paging Output	1 Jack
Ring Frequency	20/25 Hz (Selectable)
Central Office Loop Limit	1600 ohms max.
Operating Environment	
Temperature	0° - 40°C, 32° - 104°F
Humidity	10% - 90%
Conference Call Trunk	3-Party x 10 Conference Calls
	8-Party x 4 Conference Calls
Music On Hold (MOH)	1 Port Selectable Tone/External Music Source (Level control: -6dB ~ + 6dB per 3dB)
External MOH (Music On Hold)	1 Port (Level control: -6dB ~ + 6dB per 3dB)
Internal Paging	Level control: -6dB ~ + 3dB per 3dB
External Paging	1 Port (Level control: -15dB ~ + 6dB per 3dB)
Interface Ports	USB: 1 Port RS232C: 1 Port
Dimensions (H x W x D)	14.8" x 10.8" x 4.6" (275 x 376 x 117 mm)
Weight (when fully configured)	7.7 Lbs. (3.5 kg)

## KX-TAW848 Maximum Capacities

Trunk Ports	8
Extension Ports	24
Single Line Telephones	24
Analog Proprietary Telephones and DSS Console KX-T7700, 7300 and 7000 Series	24
Cell Station (KX-T0141)	4
Voice Processing System	4 Ports (1 system)
Wireless Telephones (KX-TD7680 and KX-TD7690)	28
Doorphones	4

# KX-TAW848 Advanced Hybrid Wired/Wireless Telephone System Feature List

System Features
Absent Message Capability
Account Code Entry
Automated Attendant (with DISA OGM)
Automatic CO Hunting
B.G.M. (Background Music) Jack
Callback Busy
Call Forwarding
Call Hunting (Terminal or Circular)
Call Log
Call Parking
Call Park Retrieve
Call Pick-Up
Call Transfer/Transfer Recall
Call Waiting
Caller ID <sup>1</sup> to a SLT (Optical Card Req.)
Caller ID <sup>1</sup> , Call Logging
Caller ID <sup>1</sup> , Callback
Caller ID <sup>1</sup> , Call Waiting
Caller ID <sup>1</sup> , Date and Time Adjust
Caller ID <sup>1</sup> (Name and/or Number APT, SLT)
Class of Service 64
CO Limited Duration Timer
Conference Calling (3+8 Party)
Data Line Security (for Fax or Modem)
Data and Time Display
Delayed Ringing
D.I.S.A. (Direct Inward System Access)
D.I.S.A. Single Digit Access
Distinctive Ring Tone (CO, Intercom)
Distinctive Ring Tone (DoorPhones)
D.N.D. (Do Not Disturb)
Do Not Disturb Override
Door Intercoms/Door Opener Contacts 4/4
DSS/BLF Consoles
Dual Port Usage (Parallel SLT Station)
Duration Time of Call Display
Electronic Station Lock
Emergency Call Number Programming
Extension Name on Display when Idle
Executive Override
Executive Override Deny
External Modem Support
External Paging Ports 1
Flexible CO Keys (DSS/BLF, One-Touch Dial)
Flexible DSS Keys (One-Touch, Feature Access)
Flexible Key Assignments
Flexible Line Assignment
Flexible Night Service (Programmable/Manual)
Flexible Ring Assignment (Day/Night)
Flexible Ring Assignment (Lunch)
Flexible Station Numbering
Hands-Free Answer Back Intercom
Handset/Headset-Display Phones

System Features
Hold
Hold Recall/Hold Reminder
Industry Standard Telephone Capability
Internal Paging (All Call Paging)
Internal Paging (Zone Paging)
Last Number Redial
Limited Call Duration
Live Call Screening (DPITS Only)
Live Call Screening, Remote (DPITS Only)
Login/Logout (Hunt, Ring, UCD)
Login/Logout
Lunch/Break Mode
Memory Back-Up (SD Card)
Message Waiting - Proprietary Phones
Military Time Display
M.O.H. (Music On Hold)
Multi-Cell Wireless
Multi-Lingual Displays (5)
Multiple Voice Mail Lamps
Off-Hook Tone Signaling
On-Site Programming Diagnostics
Operator Call
Power Failure Transfer
Pre-Selection (Central Office or Intercom)
Remote Programming and Diagnostics Modem
Remote Station Lock Control
Ring Groups
Ringling Line Preference
Saved Number Redial
Secret Dialing
Seven Day ARS Time Tables
S.M.D.R. (Station Message Detail Recording)
Station Name Display
Station-to-Station Messaging
10-Station Speed Dial Numbers
System Speed Dial Numbers
T.A.F.A.S. (Trunk Answer From Any Station)
Toll Restriction
Toll Restriction Override
Tone/Pulse Conversation
Tone/Pulse Dialing (By CO Line)
Transfer (Screened/Unscreened)
Trunk Groups
Two-Way Record (DPITS)
Two-Way Transfer (DPITS)
Unattended Conference Call
Uniform Call Distribution without OGM
Uniform Call Distribution with OGM
Voice Mail Integration (Inband)
Voice Mail Integration (DPITS)
Voice Mail Unit Capacity 1
Walking Class of Service

<sup>1</sup>Requires subscription to fee-based telephone service.