

DSX RESIDENTIAL



NEC

WHAT CAN A DSX-40 SYSTEM DO FOR YOUR HOME?

In addition to the many home amenities you've thoughtfully chosen to simplify and enhance your life, we would like to offer the same sophistication and modern conveniences for your home communications system.

Flexible Intercom – for complete room-to-room calling capability.

Intercom is a great way to find people in the house, especially if you have a large home and you wish to speak to someone in another room or on another floor without shouting or running from room to room. As an extra convenience, you can page all telephones at once and announce, for example, when dinner is ready. Intercom is also a great security device that allows you to hear what is going on in other areas of your home or to know who is outside before opening the door or gate.



Multi-line Capability – to maximize communications within your busy household.

Today's homes have multiple phone lines – a home phone line, his and her business and fax lines, etc. The DSX system gives you the capability to use these lines as you wish, by providing access from any room in the house. Privacy features allow you to designate which phones can share your private lines. No longer are you confined to your home office when working from home.

Sophisticated Answering System – your personal assistant.

An answering system is a great way to direct calls without having to answer the phone. Since you can have a different menu for each phone line, it's a professional way for home businesses to keep their calls separate from the household. Each user can have their own personal greetings, providing additional information for the caller. You can even allow the caller to reach you on your mobile phone, at the office, or at any other number, by simply pressing a key.

The DSX-40 offers elegant styling, convenience and flexibility for the way you live.

All DSX telephones are available in black or white, have a built-in speakerphone, large display, and two-position angle adjustment. In addition, the built-in low-profile wall mount is ideal for use in a kitchen, garage, or master bath. Enhanced models also offer an adjustable backlit display and illuminated dial pad - great for use in low-light areas.

With several telephone models to choose from, each user can select and personalize their phone for their individual needs. Easily create a personal phonebook, choose a distinctive ring², or program one-button calling to frequently dialed numbers of family members, friends, or businesses. In addition, each user has the flexibility to adjust the handset and speaker volume, and set the display contrast and brightness to meet their specific requirements.



BUILT-IN CALLER ID¹

If you have Caller ID service, the DSX system is ready for you. In addition to identifying incoming callers on the phone's display, the following easy to use features are provided:

Call Review and Return Call – For each received call, the DSX system stores the name, number, time & date, and who answered the call. The caller's phone number is also available when reviewing voice messages. This allows you to easily redial without having to manually enter phone numbers.

Second Line Caller ID – While on a call, the system can show the Caller ID information for a call ringing on any other line - great for when a child is trying to get through with an important call.

INTRAMAIL

NEC's IntraMail is a full-featured Auto-Answering Voice Messaging System that answers and directs calls, records individual voice messages, and saves the Caller ID number for immediate call back capability. Since IntraMail is integrated within the DSX system, an optional IntraMail compact flash card is all that's required for these and many other practical features:

Multiple Greetings – IntraMail provides the ability to have a different greeting for each line and multiple greetings for each family member.

Call Screening – Listen to a caller as they are leaving you a voice mail message. Choose to take that important call or let them continue recording the message. You may also listen to the caller automatically through the speaker of any DSX telephone in the house.

Conversation Record³ – While on an important call, you can record the conversation into any voice mailbox for later review. You can also send your recorded conversation to another voice mailbox.

Message Center Key – When important information needs to get through to family members, voice messages can be left in a designated mailbox for group access. Each member of the group will have an assigned key for that mailbox which will flash when a new message has arrived. Using that same key, one touch access to the voice message is provided.

Message on Hold – Record an informative message that will play to callers while they wait for you to become available - an extra advantage for those running a home-based business.



Active Call Info – Parents can monitor or view the name and number of their child's current or previous incoming calls.

Standard Phones – To enhance convenience and flexibility, the DSX system sends Caller ID information for both external and intercom calls to the standard phone ports for use with customer-provided Caller ID phones and accessories. Very useful for cordless phones.



Message Notification – Eliminate the need to call home to check for new messages. IntraMail can be set to automatically call a designated telephone number (such as your mobile phone) to let you know when new messages arrive. During the notification call, you can listen to your messages, or you can call back later to get your messages at a time that's right for you.

Fax Detection – The built-in fax switch will route an incoming fax call to your fax machine, allowing you to save on the cost of a dedicated fax line. For those that have a dedicated line for faxes, the system will allow you to access that line for outgoing voice calls, thereby keeping your main business line free for the next important call.



Models			
	22-Button Display	34-Button Display	34-Button Super Display
Features			
Programmable Keys	12	24	24
One Touch Keys	10	10	0
Fixed Function Keys	12	12	12
Soft Keys	4	4	12
LCD Display	3 x 24	3 x 24	9 x 24
Speakerphone	Yes	Yes	Yes
Backlit Display	No	Yes	Yes
Illuminated Dial Pad	No	Yes	Yes
Headset Jack	Modular	Modular	Modular
Colors	Black or White	Black or White	Black or White

DSX-40 Compatibility

Easily connect industry standard products that suit your household communication needs.

- Cordless Telephones
- Caller ID Accessories
- Fax Machines
- External Music Source

System Programming

Installers can program on-site from the telephone or from a PC connected to the system's built-in USB or Ethernet ports. Remote programming is available through the Ethernet port.

DSX-40 System



DSX-40 System Capacity

Base configuration supports up to four lines, eight digital stations, two standard phones, and two door boxes. The system can easily expand to eight lines and twenty six telephones.

DSX-40 Specifications⁴

	Base	Max ⁴
DSX Telephones	8	24
Standard Telephones	2	18
Lines	4	8
Door Boxes	2	2



Door Box

Electrical

Certification: FCC Part 15 Class B, FCC Part 68, TIA-968-A-3, UL, cUL
 Power Input: 120VAC, 50-60 Hz, 1.1A (max)
 Power Consumption: 35 Watts (Typical base system with 8 phones)

Environmental

Operating Temp: 32° to 104° F (0° to 40° C)
 Humidity: 10 to 95% Non-condensing
 Dimensions: 13.2 x 10.5 x 2.75 in (335 x 267 x 70mm) W x H x D
 Weight: 3.6 Lbs (1.65 kg)

Connections

Telephones: RJ-61 (4-pair USOC), Single pair per phone
 Lines: RJ-61 (4-pair USOC), Single pair per line
 Power Fail Transfer: RJ-61 (4-pair USOC), 2 Ports (Lines 1 and 2)
 Audio In/Out: 1/8" (3.5mm) 2-conductor (mono) Mini-Jack
 USB: Type B, USB 2.0 (Full Speed)
 Ethernet: RJ-45, 10BASE-T/100 BASE-TX, Auto-MDIX
 Serial: 6-Conductor Modular Jack

IntraMail

Capacity: 4 Ports
 Storage: 8 Hours
 Mailboxes: 128

Programming

Local: Ethernet, USB, Phone
 Remote: Ethernet

DSX-40 Features

Auto Attendant
 Auto Redial
 Automatic Daylight Savings Time
 Automatic Handsfree
 Background Music
 Backlit Display (select models)
 Barge In (Intrusion)
 Brightness and Contrast Control
 Call Coverage Keys
 Call Forwarding/Off Premise
 Call Timer
 Caller ID Logging (w/Return Call)¹
 Caller ID to Standard Telephones²
 Color Choice (black or white)
 Conference (up to 8-parties)
 Cordless Telephone
 Delayed Ringing
 Dial Number Preview
 Direct Station Selection (DSS)
 Directory Dialing (Personal, Ext.)
 Distinctive Ring²
 Do Not Disturb
 Door Box (Analog)
 Flexible Numbering Plan
 Group Call Pickup
 Group Listen
 Handsfree with Answerback
 Headset Compatibility
 Hold (with Recall Display)
 Hotline
 Illuminated Dial Pad (select models)
 Interactive Soft Keys

Intercom
 Language Selection
 Last Number Redial
 Line Flash
 Line Groups
 Line Keys
 Message Waiting
 Microphone Mute
 Monitor / Silent Monitor
 Music on Hold
 Names for Telephones & Lines
 Night Service / Night Ring
 Off-Hook Signaling
 Paging (Internal and External)
 Prime Line Preference
 Privacy
 Privacy Release
 Private Line
 Programming Local and Remote
 Reverse Voice Over
 Ring/Message Lamp
 Ringing Line Preference
 Speakerphone
 Speed Dial
 Standard Telephones
 Time and Date
 Toll Restriction
 Transfer (with Recall Display)
 Voice Mail
 Voice Over
 Volume Control
 Wall Mount/Desk Stand (Built-in)

IntraMail Features

Call Screening
 Auto Time and Date Stamp
 Automated Attendant
 Caller ID with Return Call¹
 Conversation Record³
 Directory Dialing
 External Transfer
 Fax Detection
 Flexible Answering Schedules
 Message Center Mailbox

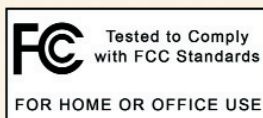
Message Notification
 Multiple Line Greeting (8)
 Number of Messages Displayed
 Personal Greeting (3)
 Recordable Message on Hold
 Remote Message Notification
 Security Code
 Single Digit Dialing
 Voice Prompting Messages
 Volume Control

¹Requires subscription to name/number Caller ID service offered by the Telephone Company.
²Distinctive ring tones are only available with DSX proprietary phones.
³Recording of phone calls is subject to varying state and federal laws.
⁴Capacities listed are system maximums and may be limited by system configuration.

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To find out more about the DSX contact your local NEC dealer, visit our website at www.necdsx.com, or call 800-365-1928.

Empowered by Innovation

