

Mitel 3300 SIP

Requirements

- DuVoice 5.20.040 or above.
- One IP user license per DuVoice port.
- Dialogic HMP.
- MITEL MCD 3300 12.0.2.23-01 or above.

Features

- Message waiting using feature codes.

PBX Configuration

Class of Service Options

Create a class of service for the DuVoice system.

General

| General | Advanced |
|---|----------|
| Class Of Service Number | 5 |
| Comment | DuVoice |
| ACD | |
| ACD Agent Behavior on No Answer | Logout |
| ACD Agent No Answer Timer | 15 |
| ACD Make Busy on Login | No |
| ACD Silent Monitor Accept | No |
| ACD Silent Monitor Allowed | No |
| ACD Silent Monitor Notification | No |
| Follow 2nd Alternate Reroute for Recall to Busy ACD Agent | No |
| Work Timer | 0 |
| Announce | |
| Call Announce Line | No |
| Off-Hook Voice Announce Allowed | No |
| Handsfree AnswerBack Allowed | No |
| Busy Override | |
| Busy Override Security | No |
| Disable Executive Busy Override Tone | No |
| Executive Busy Override | No |
| Call Control Timer | |
| Busy Tone Timer | 30 |
| Dialing Conflict Timer | 3 |
| First Digit Timer | 15 |
| Inter Digit Timer | 10 |
| Lockout Timer | 45 |
| Call Duration | |
| Call Duration | 10 |
| Call Duration Forced Cleardown Timer | 0 |
| Enable Call Duration Limit on External Calls | No |
| Enable Call Duration Limit on Internal Calls | No |

- **Comment**
Enter **DuVoice** or other identifier.
- **Busy Override Security**
Choose **Yes**.

Call Forwarding/Rerouting

| | |
|---|-----|
| Call Forward - Delay | 0 |
| Call Forward No Answer Timer | 15 |
| Call Forward Override | No |
| Call Forwarding (External Destination) | No |
| Call Forwarding (Internal Destination) | Yes |
| Call Forwarding Accept | Yes |
| Call Reroute after CFFM to Busy Destination | No |
| Call Forwarding Reminder Ring (CFFM and CFIAH only) | No |
| Disable Call Reroute Chaining On Diversion | No |
| Group Call Forward Follow Me Accept | No |
| Group Call Forward Follow Me Allow | No |
| Third Party Call Forward Follow Me Accept | No |
| Third Party Call Forward Follow Me Allow | No |
| Use Held Party Device for Call Re-routing | Yes |

Call Hold

| | |
|------------------------------------|-----|
| Call Hold | Yes |
| Call Hold - Retrieve with Hold Key | No |
| Call Hold Remote Retrieve | Yes |
| Call Hold Timer | 30 |
| Local Music On Hold source | No |
| Music on Hold on Transfer | No |
| Use Called Party Call Hold Timer | No |

Call Park

| | |
|---------------------------|-----|
| Call Park Timer | 180 |
| Call Park-Allowed To Park | No |

Call Pickup

| | |
|--|-----|
| Allow Directed Call Pickup Of Attendant Call | No |
| Call Pickup Dialed Accept | Yes |
| Call Pickup Directed Accept | Yes |

Call Privacy

| | |
|---|----|
| Call Privacy | No |
| Calling Party Name Substitution | No |
| Name Suppression on outgoing Trunk Call | No |
| Privacy Released | No |
| Public Network Identity Provided | No |

Call Waiting

| | |
|-------------------------------------|-----|
| Call Waiting Swap | No |
| ONS CLASS/CLIP: Visual Call Waiting | Yes |

Campon

| | |
|---------------------|----|
| Auto Campon Timer | 10 |
| Campon Recall Timer | 10 |

Direct Voice Call

| | |
|-------------------------------------|----|
| Direct Voice Call - Accept | No |
| Direct Voice Call - Allow | No |
| Direct Voice Call - Maximize Volume | No |

Display

| | |
|--|-----|
| After Answer Display Time | |
| Calling Name Display - Internal - ONS | Yes |
| Calling Number Display - Internal - ONS | Yes |
| Display ANI/DNIS/ISDN Calling/Called Number | No |
| Display ANI/ISDN Calling Number Only | No |
| Display Caller ID on multicall/keylines | No |
| Display Caller ID On Multical/Keylines Timer | 5 |
| Display Caller ID On Single Line Displays For Forwarded Calls | No |
| Display Dialed Digits during Outgoing Calls | No |
| Display DNIS/Called Number Before Digit Modification | No |
| Display Held Call ID on Transfer | No |
| Display Transfer Destination on Recall | No |
| Hot Desk External User - Display Internal Calling ID | No |
| Maintain Ringing Party During Recall | No |
| Non-Prime Public Network Identity | No |
| Originator's Display Update In Call Forwarding/Rerouting | No |
| Suppress Delivery of Caller ID Display between Sets | No |
| Suppress Delivery of Caller ID Display between Sets - Override | No |

| | |
|---|-----|
| Suppress Delivery of Caller ID Display between Sets - Override | No |
| Suppress Display Of Account Code Numbers | No |
| Suppress Redial Display | No |
| Fax | |
| Campon Tone Security | No |
| External Trunk Standard Ringback | No |
| Return Disconnect Tone When Far End Party Clears | No |
| Fax Capable | No |
| HCI | |
| HCI/CTI/TAPI Call Control Allowed | Yes |
| HCI/CTI/TAPI Monitor Allowed | Yes |
| Hot Desk | |
| Green BLF Lamp for Logged in Hotdesk User | No |
| Hot Desk External User - Allow Mid-Call Features | Yes |
| Hot Desk External User - Answer Confirmation | Yes |
| Hot Desk External User - Dial Tone on Call Complete | Yes |
| Hot Desk External User - Permanent Login | No |
| Hot Desk External User - Remote MWI Enable Feature Access Code | |
| Hot Desk External User - Remote MWI Disable Feature Access Code | |
| Hot Desk External User - Reseize Timer | 180 |
| Hot Desk Login Accept | Yes |
| Hot Desk Remote Logout Enabled | No |
| Miscellaneous | |
| Backlighting - Enabled | Yes |
| Clear All Features Remote | No |
| Force Device Busy If Any Line In Use | No |
| Handset Volume Adjustment Saved | No |
| Head Set Switch Mute | No |
| Phone Lock | No |
| Multi-Color LED Support - Disable | No |
| Timed Reminder Allowed | Yes |
| User Inactivity Timer | 0 |

| | |
|---|-----|
| Paging | |
| Group Page Accept | No |
| Group Page Allow | No |
| Loudspeaker Pager Equivalent Zone Override Security | No |
| Loudspeaker Pager Override | Yes |
| Pager Access All Zones | Yes |
| Pager Access Individual Zones | No |
| PC Port | |
| PC Port On IP Device - Disable | No |
| RAD | |
| Answer Plus Delay To Message Timer | 20 |
| Answer Plus Expected Off-hook Timer | 30 |
| Answer Plus Message Length Timer | 10 |
| Answer Plus System Reroute Timer | 0 |
| Recorded Announcement Device | No |
| Recorded Announcement Device - Advanced | No |
| Ringing | |
| Delay Ring Timer | 10 |
| No Answer Recall Timer | 17 |
| Ringing Line Select | No |
| Ringing Timer | 180 |
| SMDR | |
| SMDR External | No |
| SMDR Internal | No |
| Trunk | |
| ANI/DNIS/ISDN Number Delivery Trunk | No |
| DASS II OLI/TLI Provided | No |
| Public Network Access via DPNSS | No |
| Public Network To Public Network Connection Allowed | No |
| Public Trunk | No |
| R2 Call Progress Tone | No |
| Suppress Simulated CCM after ISDN Progress | No |
| Trunk Calling Party Identification | Yes |
| Trunk Flash Allowed | No |
| Two B-Channel Transfer Allowed | No |
| Voice Mail | |
| COV/ONS/E&M Voice Mail Port | No |
| ONS VMail-Delay Dial Tone Timer | 5 |

- **COSV/ONS/E&M Voice Mail Port**
Choose **Yes**. If this is not done the hunt group type cannot be set to **VoiceMail**.

Advanced

General

Advanced

Account Code

| | |
|----------------------------------|-----|
| Account Code Length | 12 |
| Account Code Verified | No |
| Forced Non-Verified Account Code | No |
| Forced Verified Account Code | No |
| Non Verified Account Code | Yes |

Attendant

| | |
|-------------------------------------|----|
| Attendant Busy Out Timer | 10 |
| SC1000 Attendant Basic Function Key | No |

Conference

| | |
|------------------------------|-----|
| Conference Call | Yes |
| Disable Conference Join Tone | No |

DND

| | |
|--|-----|
| Do Not Disturb | Yes |
| Do Not Disturb - Access to Remote Phones | Yes |
| Do Not Disturb Permanent | No |

Emergency

| | |
|--------------------------------------|--------|
| Emergency Call - Audio Level for Set | Ringer |
| Emergency Call Notification - Audio | No |
| Emergency Call Notification - Visual | No |

Group Presence

| | |
|------------------------------------|----|
| Group Presence Control | No |
| Group Presence Third Party Control | No |

Hotel

| | |
|---|----|
| Display VIP | No |
| Hotel Room Monitor Setup Allowed | No |
| Hotel Room Monitoring Allowed | No |
| Hotel/Motel Room Personal Wakeup Call Allowed | No |
| Hotel/Motel Room Remote Wakeup Call Allowed | No |

Message Waiting

| | |
|---|-----|
| Message Waiting | Yes |
| Message Waiting - Disable Ringing Lamp Notification | No |
| Message Waiting Audible Tone Notification | No |
| Message Waiting Deactivate On Off-Hook | Yes |
| Message Waiting Inquire | Yes |
| Message Waiting Ringing Start Time Hour | |
| Message Waiting Ringing Start Time Minute | |
| Message Waiting Ringing Stop Time Hour | |
| Message Waiting Ringing Stop Time Minute | |
| Multiline Set Voice Mail Callback Message Erasure Allowed | No |
| ONS CLASS/CLIP: Message Waiting Activate/Deactivate | No |

Miscellaneous

| | |
|--|-----|
| Auto Answer Allowed | Yes |
| Auto Release on Key Select | No |
| Brokers Call | No |
| Called Party Features Override | No |
| Check COR after PSTN Dial Tone | No |
| Dialled Night Service | Yes |
| Disable Send Message | No |
| Flexible Answer Point | No |
| Individual Trunk Access | Yes |
| Key A | |
| Key B | |
| Key C | |
| Key D | |
| Multiline Set Loop Test | No |
| Multiline Set Message Center Remote Read Allowed | No |
| Multiline Set Music | No |
| Multiline Set On-hook Dialing | Yes |
| Multiline Set Phonebook Allowed | Yes |
| Non DID Extension | No |
| ONS CLASS/CLIP: Set | No |
| ONS/OPS Internal Ring Cadence for External Callers | No |
| Override Interconnect Restriction on Transfer | No |
| Recall If Transferred to Original Call Destination | No |
| Redial Facilities | Yes |

- **Message Waiting**

Choose **Yes**.

- **Multiline Set On Hook Dialing**

Choose **Yes**.

| | |
|---|----|
| Voice Dial Preferred | No |
| Use Default Billable Number For Trunk Calls | No |
| Voice Mail Softkey | No |

Phonebook

| | |
|---|----|
| Phonebook Lookup - Default to User Location | No |
| Phonebook Lookup - Display User Location | No |

Record A Call

| | |
|--|----|
| Record-A-Call - Save Recording on Hang-up | No |
| Record-A-Call - Start Automatic Incoming Call Recording | No |
| Record-A-Call - Start Automatic Outgoing External Call Recording | No |
| Record-A-Call Active | No |

Feature Access Codes

By default the DuVoice uses *33 for message waiting set and #33 for message waiting clear. If your system does not use these you will need to change these during the DuVoice installation later.

| | |
|------------------------------|-----|
| Message Waiting - Activate | *33 |
| Message Waiting - Deactivate | #33 |

SIP Device Capabilities

DuVoice does not require any additional settings for operation. It is suggested to choose a specific number for all DuVoice lines in order to reduce conflicts with other SIP devices. The following default configuration can be used as reference.

SIP Device Capabilities

| SIP Device Capabilities Number | Comment |
|--------------------------------|---------|
| 1 | |
| 2 | |
| 3 | |
| 4 | |
| 5 | DuVoice |
| 6 | |
| 7 | |
| 8 | |
| 9 | |
| 10 | |

| | | | | | |
|--|-------------|-----------------------------------|------------------------|--------|-----------------|
| Basic | SDP Options | Signaling and Header Manipulation | Distinctive Ring Tones | Timers | Key Press Event |
| Called Party Inward Dialing Modification | | Record Information | Advanced | | |

| | |
|---------------------------------------|---------|
| SIP Device Capabilities Number | 5 |
| Comment | DuVoice |

Call Routing and Administration Options

| | |
|--|-----|
| Outbound Proxy Server | |
| Replace System based with Device based In-Call Features | Yes |
| Allow MWI Notifications without Subscription | No |
| Enable Digit Collection In Busy Or Alerting State | No |

SDP Options

| | | | | | |
|---|-------------|-----------------------------------|------------------------|--------|-----------------|
| Basic | SDP Options | Signaling and Header Manipulation | Distinctive Ring Tones | Timers | Key Press Event |
| Called Party Inward Dialing Modification | | Record Information | Advanced | | |
| Allow Device To Use Multiple Active M-Lines | | No | | | |
| Allow Using UPDATE For Early Media Renegotiation | | No | | | |
| Enable Mitel Proprietary SDP | | No | | | |
| Force sending SDP in initial Invite message | | No | | | |
| Ignore SDP in Unreliable Provisional Responses | | No | | | |
| Limit to one Offer/Answer per INVITE | | No | | | |
| Prevent SDP Renegotiation If Peer Initiated Hold | | No | | | |
| Prevent the Use of IP Address 0.0.0.0 in SDP Messages | | No | | | |
| Renegotiate SDP To Enforce Symmetric Codec | | No | | | |
| Repeat SDP Answer If Duplicate Offer Is Received | | No | | | |
| Send Answer only after renegotiation is complete | | No | | | |
| Suppress Use of SDP Inactive Media Streams | | Yes | | | |

Signaling and Header Manipulation

| | | | | | |
|--|-------------|-----------------------------------|------------------------|--------|-----------------|
| Basic | SDP Options | Signaling and Header Manipulation | Distinctive Ring Tones | Timers | Key Press Event |
| Called Party Inward Dialing Modification | | Record Information | Advanced | | |
| Allow Display Update | | No | | | |
| Disable Reliable Provisional Responses | | No | | | |
| Disable Use of User-Agent and Server Headers | | No | | | |
| Fail REFER To Keep Call Active On Mid-Call Feature | | No | | | |
| If TLS use 'sips:' Scheme | | No | | | |
| Override Auto-Answer Headers | | No | | | |
| Override Auto-Answer Headers With | | | | | |
| Remove Anonymous User | | No | | | |
| Require Reliable Provisional Responses on Outgoing Calls | | No | | | |
| Suppress Redirection Headers | | No | | | |
| Use P-Asserted Identity Header | | Yes | | | |
| Use user=phone | | No | | | |

Distinctive Ring Tones

| | | | | | |
|--|-------------|--|------------------------|--------|-----------------|
| Basic | SDP Options | Signaling and Header Manipulation | Distinctive Ring Tones | Timers | Key Press Event |
| Called Party Inward Dialing Modification | | Record Information | Advanced | | |
| Enable Distinctive Ringing | | No | | | |
| Internal Ring | | <http://www.notused.com>;info=alert-internal | | | |
| External Ring | | <http://www.notused.com>;info=alert-external | | | |
| Callback Ring | | <http://www.notused.com>;info=alert-community1 | | | |

Timers

| | | | | | |
|--|-------------|-----------------------------------|------------------------|--------|-----------------|
| Basic | SDP Options | Signaling and Header Manipulation | Distinctive Ring Tones | Timers | Key Press Event |
| Called Party Inward Dialing Modification | | Record Information | Advanced | | |

| | |
|---------------------------------|------|
| Registration Period Minimum | 300 |
| Session Timer | 0 |
| Subscription Period | 3600 |
| Subscription Period Minimum | 300 |
| Subscription Period Refresh (%) | 80 |
| Invite Ringing Response Timer | 0 |

Key Press Event

| | | | | | |
|--|-------------|-----------------------------------|------------------------|--------|-----------------|
| Basic | SDP Options | Signaling and Header Manipulation | Distinctive Ring Tones | Timers | Key Press Event |
| Called Party Inward Dialing Modification | | Record Information | Advanced | | |

Allow Out Subscriptions for Remote Digit Monitoring No
 Force Out Subscriptions for Remote Digit Monitoring No

Called Party Inward Dialing Modification

| | | | | | |
|--|-------------|-----------------------------------|------------------------|--------|-----------------|
| Basic | SDP Options | Signaling and Header Manipulation | Distinctive Ring Tones | Timers | Key Press Event |
| Called Party Inward Dialing Modification | | Record Information | Advanced | | |

Add Member
Delete Member

| Index | Digits to Match | Digit Length Operator | Digit Length | Number of Digits to Absorb | Digits to be Inserted |
|-------|-----------------|-----------------------|--------------|----------------------------|-----------------------|
|-------|-----------------|-----------------------|--------------|----------------------------|-----------------------|

Record Information

| | | | | | |
|--|-------------|-----------------------------------|------------------------|--------|-----------------|
| Basic | SDP Options | Signaling and Header Manipulation | Distinctive Ring Tones | Timers | Key Press Event |
| Called Party Inward Dialing Modification | | Record Information | Advanced | | |

| |
|------------------------|
| Creator |
| Date Created |
| Created on MCD Version |
| SIP Device |
| Vendor Notes |

Advanced

| | | | | | |
|--|--------------------|-----------------------------------|------------------------|--------|-----------------|
| Basic | SDP Options | Signaling and Header Manipulation | Distinctive Ring Tones | Timers | Key Press Event |
| Called Party Inward Dialing Modification | Record Information | Advanced | | | |

Dial Plan

System IP Ports

Verify the IP ports used by the PBX as the following.

System IP Ports

| | |
|--------------|------|
| SIP UDP Port | 5060 |
| SIP TCP Port | 5060 |
| SIP TLS Port | 5061 |

User and Device Configuration

A user must be created for each of the DuVoice lines like the following.

| | | | | | |
|---------|----------------|-----------------|---------------------------|--------------------|------|
| Profile | Device Details | Service Details | Access and Authentication | Phone Applications | Keys |
|---------|----------------|-----------------|---------------------------|--------------------|------|

User Profile

| | | | |
|------------|----------|----------------|--------------------------|
| Last Name | DuVoice | Role | No Role |
| First Name | | Language | English |
| Department | | Email | |
| Location | PBX Room | IDS-Manageable | <input type="checkbox"/> |

Service Profile

| | | | |
|------------------|--------------------------|-------------------|---|
| Number | 2001 | Directory Name | DuVoice |
| Hot Desking User | <input type="checkbox"/> | Prime Name | <input checked="" type="radio"/> No <input type="radio"/> Yes |
| Device Type | Generic SIP Phone | Privacy | <input checked="" type="radio"/> No <input type="radio"/> Yes |
| Service Level | Full | Home Element | Local_81 |
| Local-only DN | <input type="checkbox"/> | Secondary Element | Not Assigned |
| ACD Enabled | <input type="checkbox"/> | | |

- **Last Name**
Enter a name to identify this user when called. Only devices with displays will see this name.
- **Location**
Enter a something to identify this users location.
- **IDS-Manageable**
Uncheck.

- **Number**
Enter the extension number for this line.
- **Device Type**
Choose **Generic SIP Phone**.

Device Details

Profile | **Device Details** | Service Details | Access and Authentication | Phone Applications | Keys

Device Details

PKM

MAC Address

Cabinet Shelf Slot Circuit

PLID

CESID digit length varies by country. Entering an incorrect number of digits could impair the ability of emergency services to respond. Consult the local public safety authority for CESID requirements in your area before changing.

CESID

Service Details

Profile | Device Details | **Service Details** | Access and Authentication | Phone Applications | Keys

Service Details

| | Day | Night 1 | Night 2 |
|-------------------------------------|---|--------------------------------|--------------------------------|
| Class of Service | <input type="text" value="5"/> | <input type="text" value="5"/> | <input type="text" value="5"/> |
| Class of Restriction | <input type="text" value="1"/> | <input type="text" value="1"/> | <input type="text" value="1"/> |
| External Hot Desking Enabled | <input checked="" type="radio"/> No <input type="radio"/> Yes | | |
| External Hot Desking Dialing Prefix | <input type="text"/> | | |
| External Hot Desking Number | <input type="text"/> | | |
| Personal Speedcall Allocation | <input type="text"/> | | |
| SIP Device Capabilities | <input type="text" value="5"/> | | |
| Interconnect Number | <input type="text" value="1"/> | | |
| Tenant Number | <input type="text" value="1"/> | | |
| Lock Default Configuration | <input checked="" type="radio"/> No <input type="radio"/> Yes | | |
| Max Call History Records | <input type="text" value="0"/> | | |
| Non-Busy Extension | <input checked="" type="radio"/> No <input type="radio"/> Yes | | |
| Call Coverage Service Number | <input type="text" value="3"/> | | |

- **Class of Service**
Enter the class of service number you configured for the DuVoice above for all.
- **SIP Device Capabilities**

Enter the number chosen for DuVoice in SIP Device Capabilities.

- **Call Coverage Service Number**

Set this value to a number not used by other devices.

Access and Authentication

| | | | | | |
|---------|----------------|-----------------|---------------------------|--------------------|------|
| Profile | Device Details | Service Details | Access and Authentication | Phone Applications | Keys |
|---------|----------------|-----------------|---------------------------|--------------------|------|

Access and Authentication

User PIN

Confirm User PIN

SIP Password

Confirm SIP Password

Wireless PIN

Confirm Wireless PIN

Desktop Admin

Login ID

Password

Confirm Password

- **SIP Password**

Enter a password.

- **Confirm SIP Password**

Enter the SIP password.

Keys

| | | | | | |
|---------|----------------|-----------------|---------------------------|--------------------|------|
| Profile | Device Details | Service Details | Access and Authentication | Phone Applications | Keys |
|---------|----------------|-----------------|---------------------------|--------------------|------|

| Button Number | Label | Line Type | URL | Button Directory Number | Ring Type | MiXML Application Feature | Phone Application Feature |
|---------------|-------|--------------|-----|-------------------------|-----------|---------------------------|---------------------------|
| ▶ 2 | | Not Assigned | | | | Not Assigned | |
| ▶ 3 | | Not Assigned | | | | Not Assigned | |

- No configuration necessary.

Hunt Groups

Create a hunt group which includes all the DuVoice user devices created. If the DuVoice user devices

class of service does not have **COSV/ONS/E&M Voice Mail Port** set to **Yes** then they cannot be added to a hunt group who's type is **VoiceMail**.

Hunt Groups

| Hunt Group | Hunt Group Mode | Hunt Group Name | Hunt Group Priority | Hunt Group Type | Home Element | Secondary Element |
|------------|-----------------|-----------------|---------------------|-----------------|--------------|-------------------|
| 2000 | Terminal | | 64 | VoiceMail | Local_81 | Not Assigned |

Hunt Group: 2000
 Local-only DN: False
 Hunt Group Mode: Terminal
 Hunt Group Name:
 Class of Service - Day:
 Class of Service - Night1:
 Class of Service - Night2:
 Home Element: Local_81
 Secondary Element: Not Assigned
 First RAD:
 Second RAD:
 Night Answer RAD:
 Hunt Group Priority: 64
 Hunt Group Type: VoiceMail
 Phase Timer Ring:

Hunt Group Members

| Member Index | Number | Presence | Name | Home Element | Secondary Element |
|--------------|--------|----------|---------|--------------|-------------------|
| 1 | 2001 | Present | DuVoice | Local_81 | |
| 2 | 2002 | Present | DuVoice | Local_81 | |
| 3 | 2003 | Present | DuVoice | Local_81 | |
| 4 | 2004 | Present | DuVoice | Local_81 | |

- **Hunt Group Mode**
Choose **Terminal**.
- **Hunt Group Type**
Choose **VoiceMail**.

Call Coverage Services

For each guest or staff phone which will be using the DuVoice for VoiceMail a Call Coverage Service must be configured. This field is configured on a per-user setting located on the **Service Details** tab.

General

| Call Coverage Services | |
|------------------------------|---------|
| Call Coverage Service Number | Comment |
| 1 | Staff |
| 2 | Guest |
| 3 | DuVoice |

| | | | |
|---------|-----|------------|-----------------------|
| General | IVR | Voice Mail | Post Call Destination |
|---------|-----|------------|-----------------------|

| | |
|------------------------------|---------|
| Call Coverage Service Number | 3 |
| Comment | DuVoice |

• **Comment**

Give this coverage service a suitable name.

IVR

| | | | |
|---------|-----|------------|-----------------------|
| General | IVR | Voice Mail | Post Call Destination |
|---------|-----|------------|-----------------------|

| | |
|--------------|----|
| IVR Number | |
| PIN Security | No |

Voice Mail

| | | | |
|---------|-----|------------|-----------------------|
| General | IVR | Voice Mail | Post Call Destination |
|---------|-----|------------|-----------------------|

| | |
|-------------------|------|
| Voice Mail Number | 2000 |
|-------------------|------|

• **Voice Mail Number**

Enter the hunt group created for the DuVoice above.

Post Call Destination

| | | | |
|---------|-----|------------|-----------------------|
| General | IVR | Voice Mail | Post Call Destination |
|---------|-----|------------|-----------------------|

| | |
|-----------------------|----|
| External Calls | No |
| Internal Calls | No |
| Post Call Destination | |

Call Rerouting

All guest and staff phones using DuVoice for VoiceMail must be configured for Call Routing. This is located under **Advanced Configuration | User and Device Attributes** or under **Call Rerouting**.

Call Rerouting First Alternative

| First Alternative Number | Busy / DND DID | Busy / DND TIE | Busy / DND CO | Busy / DND Int | No Answer DID | No Answer TIE | No Answer CO | No Answer Int | Directory Number |
|--------------------------|----------------|----------------|---------------|----------------|---------------|---------------|--------------|---------------|------------------|
| 1 | This | This | This | This | This | This | This | This | 2000 |
| 2 | This | This | This | This | This | This | This | This | 2000 |
| 3 | Normal | Normal | Normal | Normal | Normal | Normal | Normal | Normal | |

Call Rerouting First Alternatives

| | |
|--------------------------|------|
| First Alternative Number | 2 |
| Busy / DND DID | This |
| Busy / DND TIE | This |
| Busy / DND CO | This |
| Busy / DND Int | This |
| No Answer DID | This |
| No Answer TIE | This |
| No Answer CO | This |
| No Answer Int | This |
| Directory Number | 2000 |

- Enter **This** for all combo boxes.
- **Directory Number**
Enter the DuVoice hunt group number.

Call Rerouting

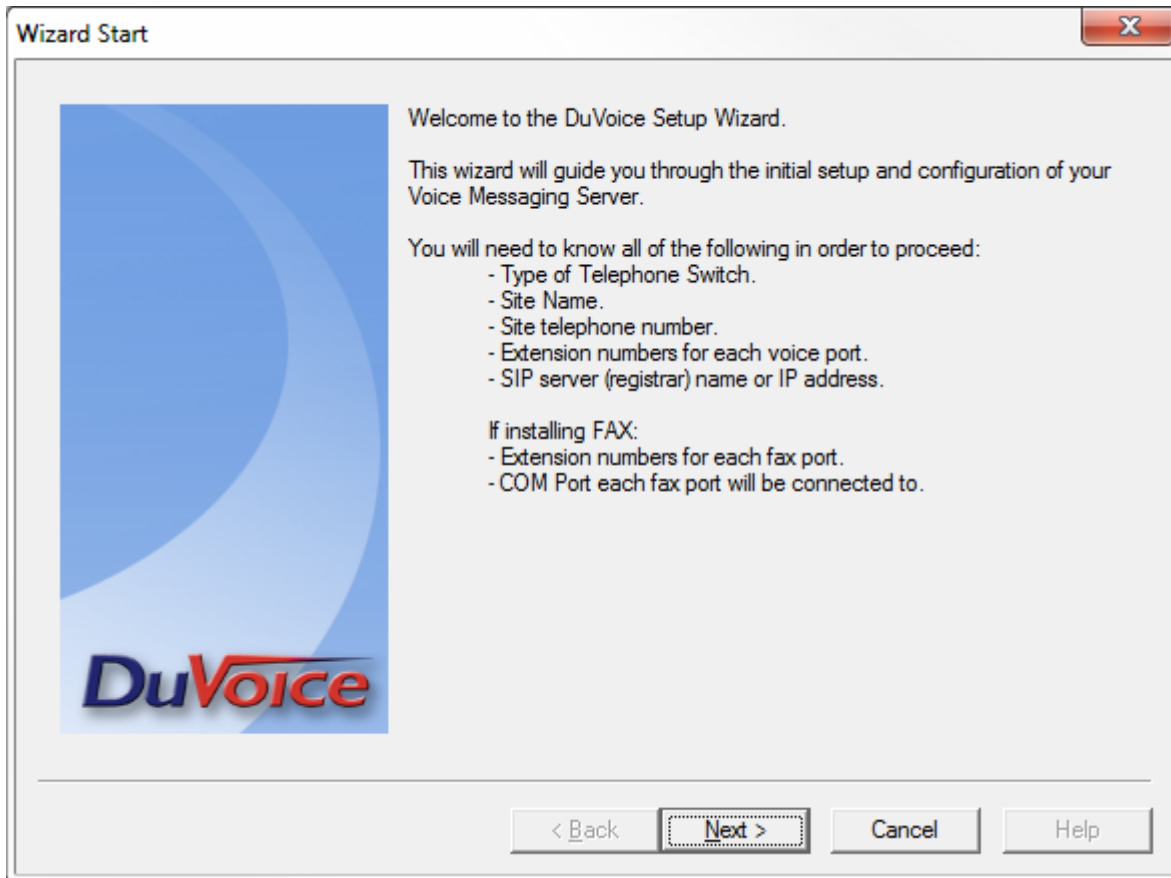
| | |
|---------------------------|------|
| Number | 7101 |
| Call Rerouting - Day | 2 |
| Call Rerouting - Night1 | 2 |
| Call Rerouting - Night2 | 2 |
| Call Rerouting DND Type | All |
| Call Rerouting - 1st Alt. | 2 |
| Call Rerouting - 2nd Alt. | 2 |

- **Call Rerouting - 1st Alt.**
Set to the associated Call Rerouting First Alternatives.
- **Call Rerouting - 2nd Alt.**
Set to the associated Call Rerouting Second Alternatives.
- **Call Rerouting - Day**
Set to the associated Call Rerouting.
- **Call Rerouting - Night1**
Set to the associated Call Rerouting.
- **Call Rerouting - Night2**
Set to the associated Call Rerouting.

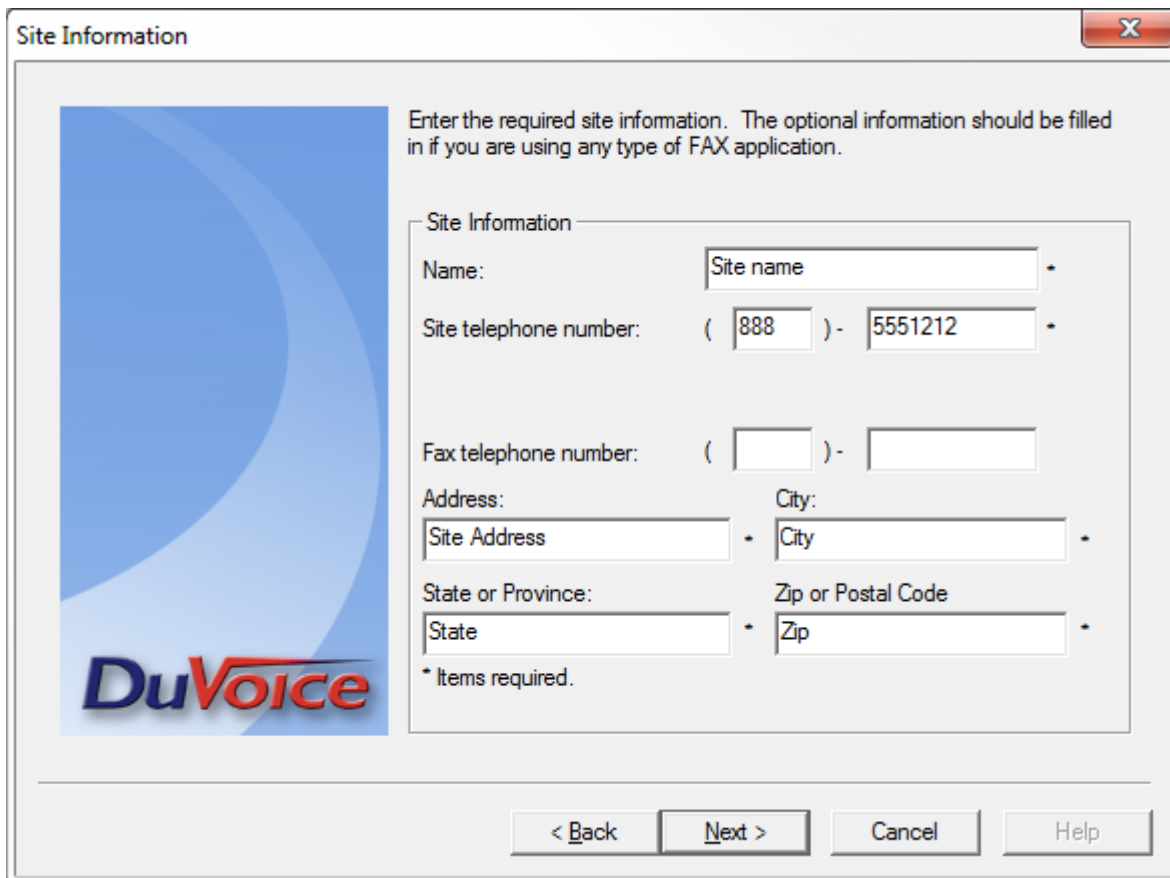
DuVoice Configuration

If your system was purchased from DuVoice you can skip the Installation of Dialogic and the DuVoice software and go directly to Setup Wizard. For Kit installations you must install Dialogic HMP followed by the DuVoice software.

Setup Wizard



- Click **Next**.



Site Information

Enter the required site information. The optional information should be filled in if you are using any type of FAX application.

Site Information

Name: *

Site telephone number: () - *

Fax telephone number: () -

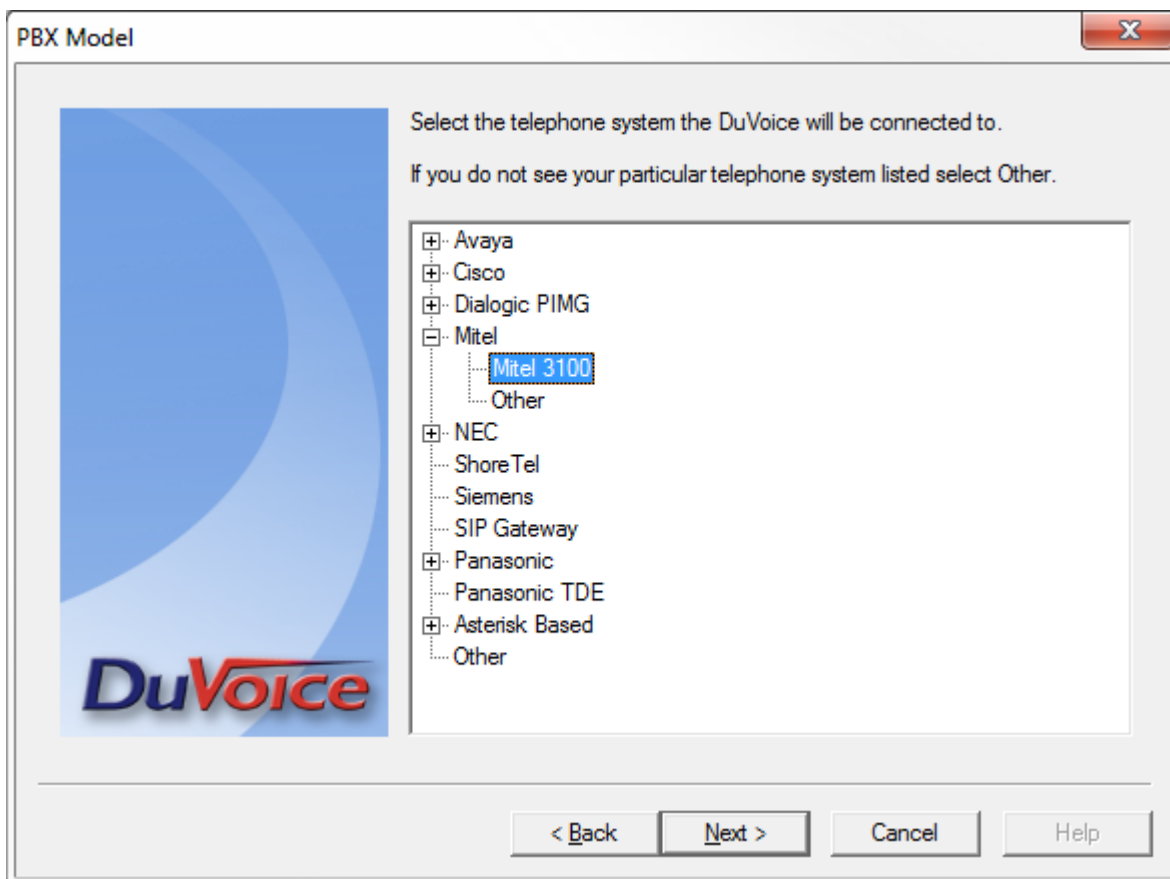
Address: * City: *

State or Province: * Zip or Postal Code: *

* Items required.

< Back Next > Cancel Help

- Fill in all the fields with the site information.
- Click **Next**.



PBX Model

Select the telephone system the DuVoice will be connected to.

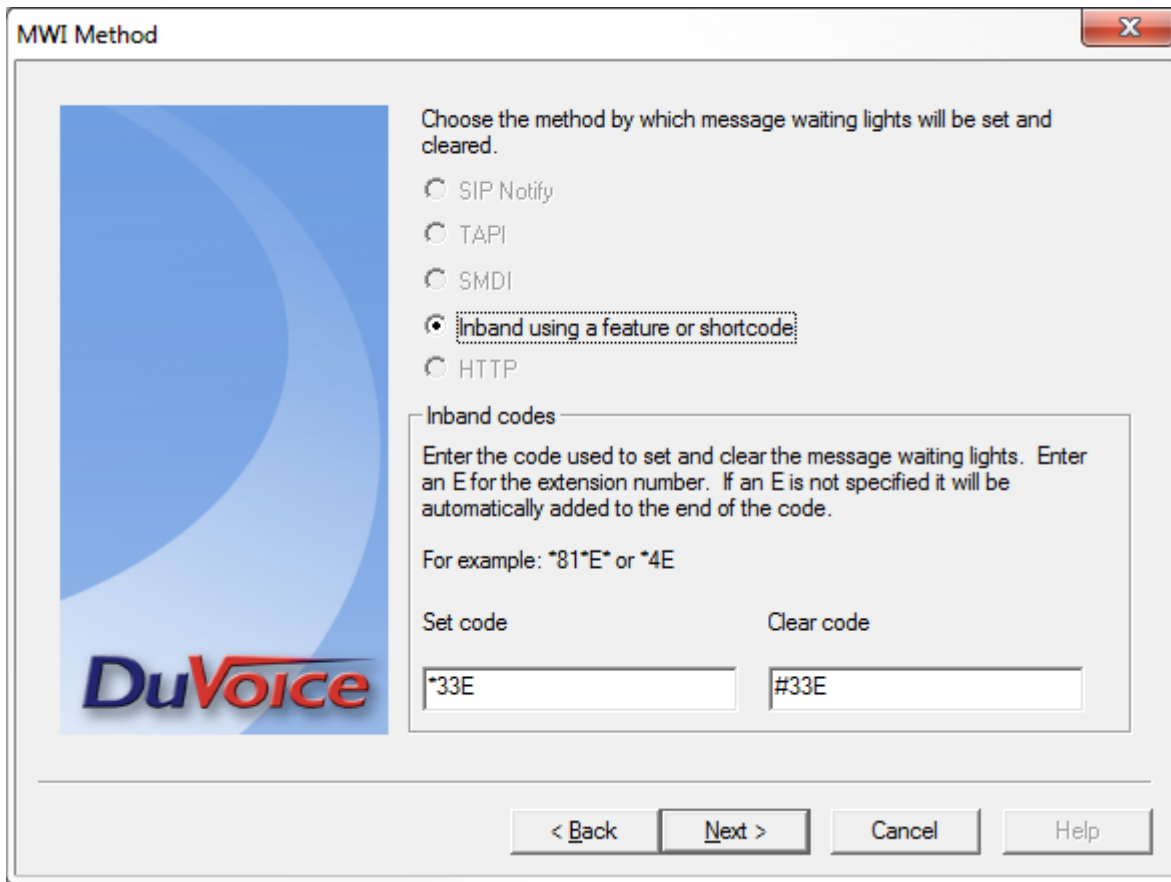
If you do not see your particular telephone system listed select Other.

- Avaya
- Cisco
- Dialogic PIMG
- Mitel
 - Mitel 3100
 - Other
- NEC
 - ShoreTel
 - Siemens
 - SIP Gateway
- Panasonic
 - Panasonic TDE
- Asterisk Based
- Other

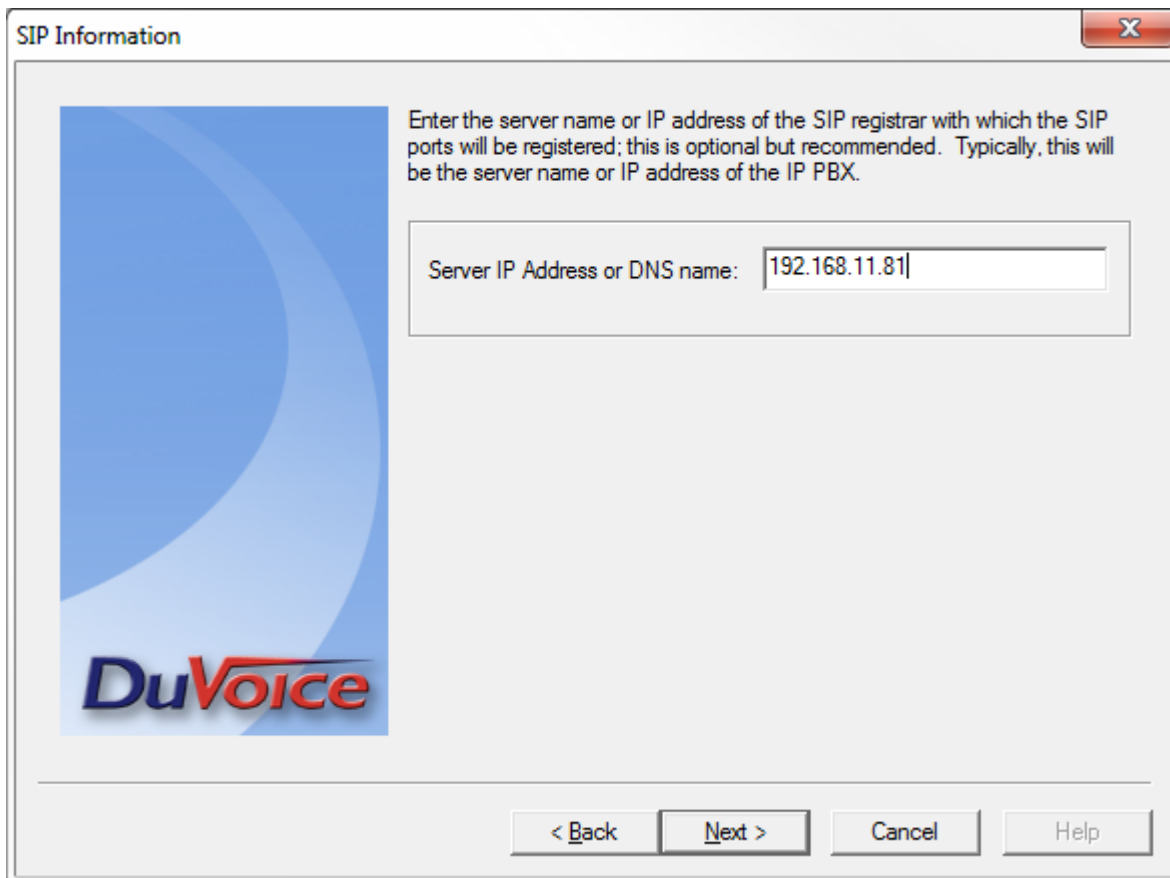
< Back Next > Cancel Help

- Select the option which best matches your PBX or Other if your PBX is not listed.

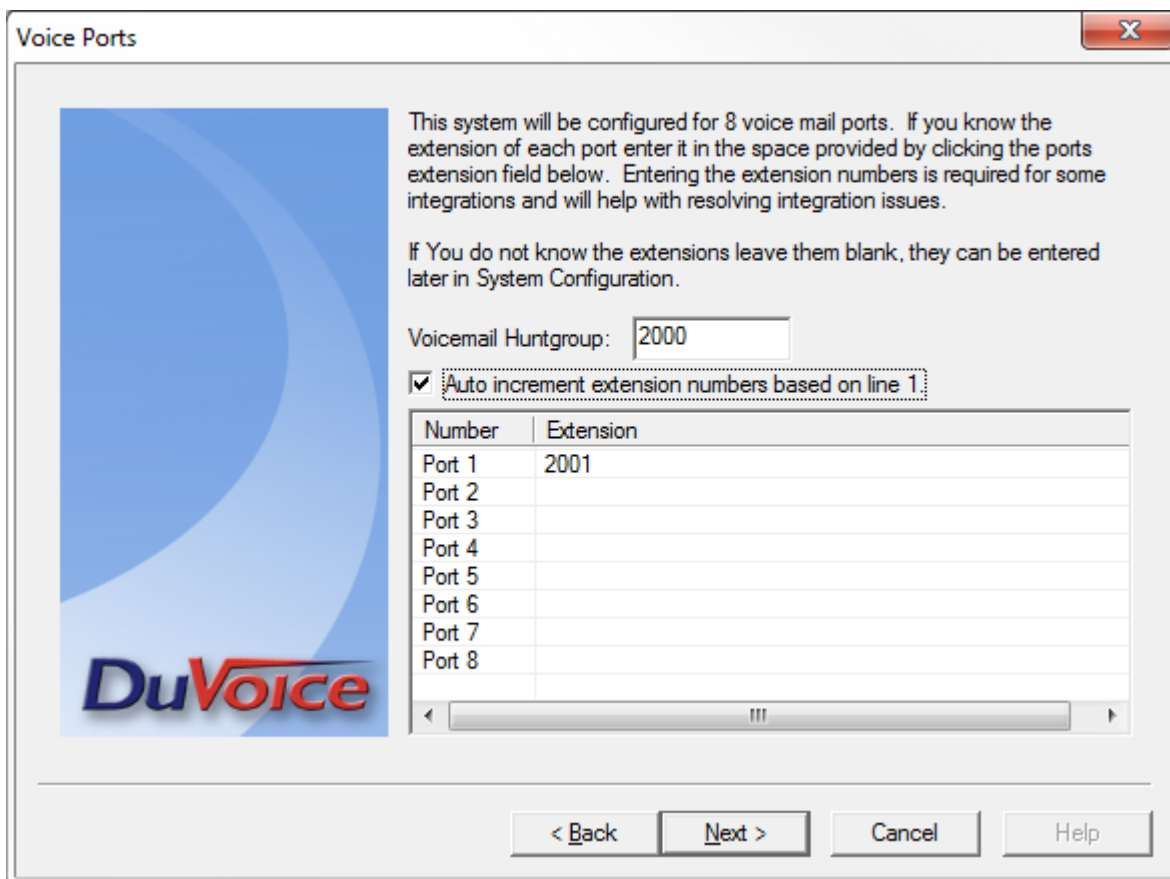
- Click **Next**.



- Unless you have chosen Other as your PBX you will be presented with the choice to configure the default setting for message waiting indicators.
- Click **Next**.

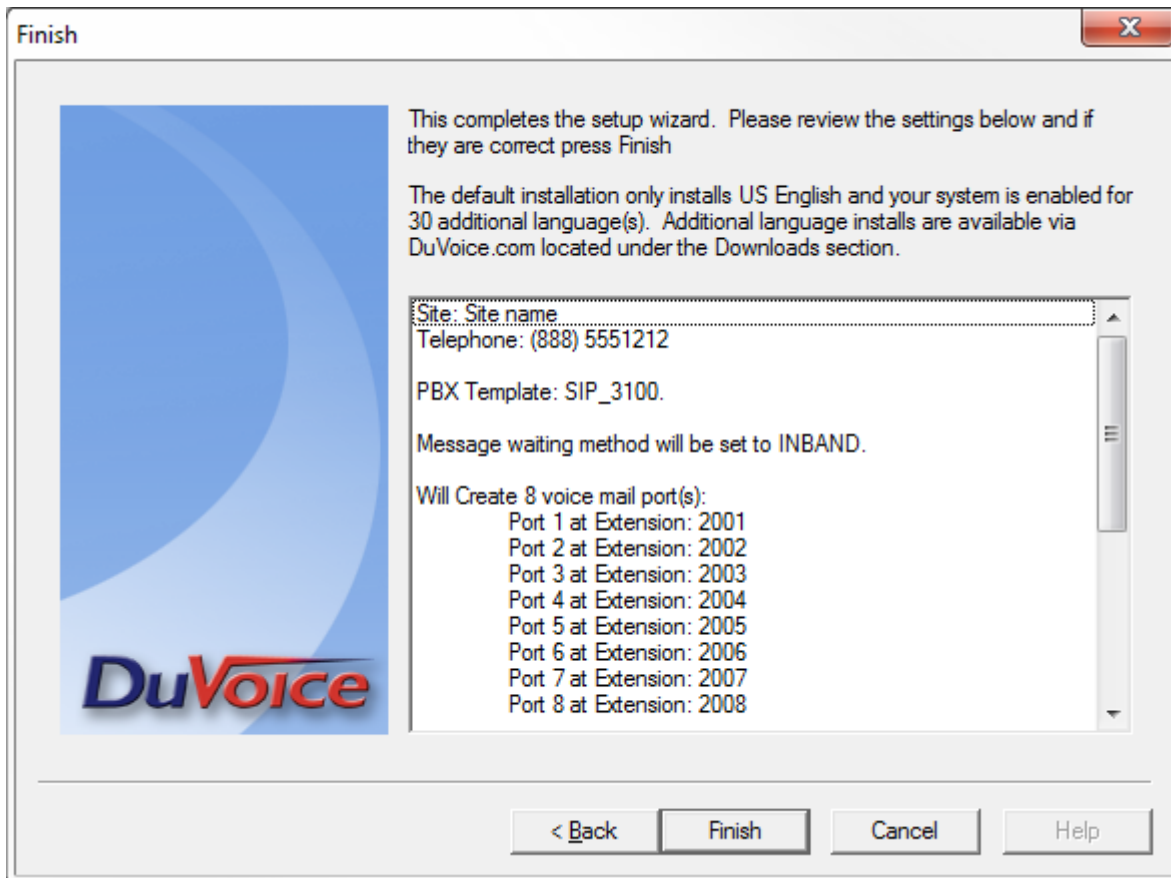


- Enter the IP address of your PBX for SIP registration.
- Click **Next**.



- Enter the huntgroup of the DuVoice system you have created in the PBX.

- If all the stations are numerical check **Auto increment extension numbers based on line 1.** and enter the first line number in the space provided. If they are not enter the extension number for each port.
- Click **Next.**



- Click **Finish** if all the setting are correct.

System Configuration

Line Configuration

Each DuVoice line must now be configured register with the MITEL. This is done via System Configuration and double clicking the line you wish to configure. Each line must be configured with it's own individual settings according to the user account created for it.

- **Account name**
Enter the extension number.
- **Password**
Enter the password entered on the **Access and Authentication** tab.
- **Realm**
This is the field **Home Element** located on the **Profile** tab of the user.

Troubleshooting

Registration

Typical trace from [WireShark](#) showing a line registration.

```
Request: REGISTER sip:192.168.11.81 |
Status: 401 Unauthorized (1 bindings) |
Request: REGISTER sip:192.168.11.81 |
Status: 200 OK (1 bindings) |
```

```
Request-Line: REGISTER sip:192.168.11.81 SIP/2.0
Message Header
From: <sip:2001@192.168.11.81>;tag=41cd268-6564a8c0-13c4-50022-6536-42f08ac7-6536
To: <sip:2001@192.168.11.81>
Call-ID: a86b78-6564a8c0-13c4-50022-6536-4aa40c99-6536
CSeq: 2 REGISTER
Via: SIP/2.0/UDP 192.168.100.101:5060;branch=z9hg4bk-6536-18b5d70-b25f903
Max-Forwards: 70
Supported: replaces
User-Agent: DuVoice
Expires: 3600
[truncated] Authorization: Digest username="2001",realm="Local_81",nonce="t?3<4n]H56AIq9BuD0'8oFw1omGI]ytYE^>pk-z_$4-[$f<7z>I(w*L;#c%G]iC",uri="sip:192.168.11.81"
Contact: <sip:2001@192.168.100.101:5060>
Content-Length: 0
```

Message Waiting

Typical trace from [WireShark](#) showing an Message Waiting indicator On request.

```
Request: INVITE sip:*333101@192.168.11.81 |
Status: 100 Trying |
Status: 401 Unauthorized |
Request: ACK sip:*333101@192.168.11.81 |
Request: INVITE sip:*333101@192.168.11.81 |
Status: 100 Trying |
Status: 180 Ringing |
Status: 200 OK |
Request: ACK sip:*333101@192.168.11.81:5060;transport=udp |
Request: BYE sip:*333101@192.168.11.81:5060;transport=udp |
Status: 200 OK |
```