# ADVENT™ DOWNLOADER

## for WINDOWS

## USER'S GUIDE

# ITI Advent Downloader User's Guide

## Version 1.1

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# Welcome to Advent Downloader—
# Software for Programming the Advent System

Advent Downloader is a Windows$^{®}$ -based program that saves you time by simplifying alarm panel programming. It will also save you the time and expense of a service call. Using only a PC, a modem, and a standard telephone line, Advent Downloader makes creating new customer accounts and updating the panel settings of existing customers simple and quick.

## About This Manual

This manual is divided into six main parts:

- Installing Advent Downloader
- Getting Up and Running
- Your Advent Downloader Accounts
- Your Advent Downloader Jobs
- Backing Up Customer Accounts
- Troubleshooting

This guide assumes you've installed Windows 95, 98, or Win NT 4.0 and that you know the basics of working in the Windows environment.

See the README.TXT file for any late-breaking information about Advent Downloader that was not included in this guide.

# Part One: Installing Advent Downloader

This section provides system requirements and installation instructions.

## Checking Your Advent Downloader Package Before You Begin

Your Advent Downloader package should include:

- An Advent Downloader for Windows installation CD
- This *Advent Downloader User's Guide*

## Checking Your Hardware and Software

### Minimum System Configuration

The Advent Downloader program requires that you use the following hardware and software:

- Windows® operating system 95, 98, or Win NT 4.0. (*These requirements are the absolute minimum. 133 or 166 MHz are better to run the software. **32K color required for images to be displayed correctly.)

| Windows 95/98/ NT 4.0 | Requirements |
|---|---|
| CPU | 90 MHz Pentium* |
| RAM | 16 Mb (32 Mb for NT) |
| Video | 800 X 600 256 Color** |

- One CD drive for installation only.

- A Hayes™ (or 100%-compatible) internal, external, or PCMIA, 14.4k baud modem. See Table 1 for a listing of modems that have been tested with Advent Downloader. When using an external modem, use a serial cable with all signals wired through. If you wire your own, you must dedicate a wire to DTR. DTR and DSR cannot be shared because Advent Downloader uses DTR to hang up the modem.
- A hard disk with at least 6 MB of free space. As your database grows, your space requirements will also grow. Each additional account will use 0.5 MB of space.

## Table 1: Modems Tested with Advent Downloader

| Modem | Compatible | Not Compatible | Notes |
|---|---|---|---|
| DigiCom Systems, Inc. Modem Blaster Flash 56 External | ● | | If you are looking to purchase an external modem, purchase this one. |
| Hayes™ Accura™ 336 | | ● | This modem does not work for call-out jobs. However, it does work for call-in jobs. |
| Diamond Supra Express 56k External | ● | | |
| Zoom® 56k Dual Mode External | | ● | Do not use this modem. |
| US Robotics® Sports-ter® 56 External | | ● | This modem does not work for call-out jobs. However, it does work for call-in jobs. |
| Hayes™ 28.8 PCM-CIA | ● | | |
| DigiCom Systems, Inc. Modem Blaster Flash 56 PCMCIA | ● | | If you are looking to buy a PCMCIA modem, purchase this one. |
| Viking 56k PCMCIA | ● | | |
| 3Com/US Robotics® 56k Winmodem PCMCIA | | ● | This modem does not work for call-out jobs. However, it does work for call-in jobs. |

# Installing Advent Downloader

Windows must be installed on your computer before you can install Advent Downloader.

1.  Turn on your computer and start Windows if it is not already running.

2.  Insert the Advent Downloader installation disk into your CD drive.

3.  Click the Start button, then select RUN.

4.  Type: `d:\setup` or `e:\setup`, depending on the letter of the drive holding the installation disk. Click OK.

5.  Follow the automated installation procedure to complete the installation process. At the setup screen, you may choose either a Typical or Custom installation. A Typical installation will install all required components. A Custom installation should only be used by advanced users. It allows for selective installation of components.



6.  When Advent Downloader for Windows is installed as described here, the Advent Downloader program group should appear on the Start menu.

**Note: The installation program may reboot the system three or four times to correctly install required Mircosoft components.**

# Part Two: Getting Up and Running

Part Two guides you through start-up and login procedures, as well as step-by-step instructions for setting up your modem.

## Starting Advent Downloader

1. Select Advent Downloader from the Start menu and click on Account Manager.

2. The Login dialog box appears. Click inside the User Name field and type the default user name: *ITI.*
   Hit Tab or click in the Password field. Type the default password: *password.*

3. Click OK or press Enter to accept the information.

4. The Advent Downloader main menu appears along the top of the screen.

## *Operator Setup*

To add new operators, change operator passwords, or change operator authority, click on the Operator icon. You will see the current operator information.

If you have Operator/Master authority, then you will only see yourself; if you have Administrator authority, you will see all other operators.

The following list explains the limitations of each level of authority.

> **Operator:**
> An operator can perform all account management functions such as creating accounts, editing accounts, and creating jobs.

> **Master:**
> A master has the same capability as an operator but also has the ability to view/change the dealer access code and the downloader code**.**

> **Administrator:**
> An administrator has the same capability as a master but also has the ability to create operators, change system configurations, and perform database maintenance.

# Setting Up the Modem

1. Select Advent Downloader from the start menu. Click on Loading System and then click on Login.
2. Enter your user name and password then hit OK (you must have administrator authority).
3. On the Job Status screen, select Port Management and then click on Add/Delete.
4. From the list of available ports, select the available COM port connected to your modem. To find out which COM port is connected to the modem, go to **Settings/Control Panel/Modems**. Windows will look for your modem and tell you whether or not you have one installed. If you do not have a modem installed, look at Table 1 for a list of Advent compatible modems. It is recommended that you look at Table1 even if you already have a modem installed.
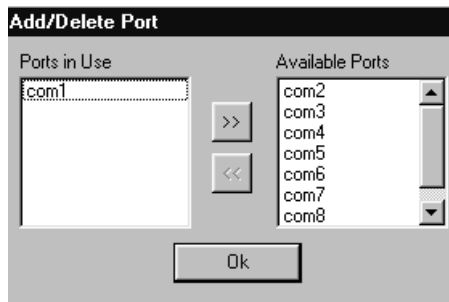
# System Setup

The information in the System Setup dialog box determines how Advent Downloader will handle scheduled and unscheduled calls from panels.

## Unscheduled Calls

A call is considered unscheduled if, when a panel calls in, there is not a job.

There are many situations in which a panel would call in to Advent Downloader. Here are just a few:

- A customer may call in to receive a programming change if instructed to do so by the dealer.
- An installer may perform a full upload to save all programming prior to replacing a panel.
- A dealer may download to a replacement panel, restoring previous settings.

## Load Conflicts

Some types of panels have the capability to call in and request what kind of load they want. This panel can request an upload, download, or any job that is waiting for it.

If a panel requests one type of load, *and* there is already a job scheduled for that account, *and* the scheduled job conflicts with what the panel is asking for, then Advent Downloader will handle the discrepancy as you determine in the Load Conflicts section of the System Setup dialog box found on the Setup menu. You can choose to *always* abort the job altogether, *always* do what Advent Downloader wants, or *always* do what the panel wants.

*Do Not Accept*

Select if you do not want Advent Downloader to accept an unscheduled job from any panel.

*Upload ...*

Advent Downloader will either completely upload, completely download, or allow you to customize your selection.

*... Unless Panel Specified*

Advent Downloader will either completely upload, completely download, or allow you to customize your selection unless the panel requests something different.

**Loading System Defaults**

Unscheduled calls

- ◉ Do not accept
- ○ Upload
- ○ Download
- ○ User specified
- ○ Do not accept (unless panel specified)
- ○ Upload (unless panel specified)
- ○ Download (unless panel specified)
- ○ User specified (unless panel specified)

Load conflicts

- ◉ Abort load
- ○ Downloader override
- ○ Panel override

☐ Auto create accounts

OK   Cancel   Help

*Abort Load*

If the job is scheduled, but the panel is requesting a load that conflicts with the scheduled job, select how you would like Advent Downloader to handle it.

# Selecting the Database Location

The database is a record of customer accounts, jobs, and settings. Select a database location when a corrupt database needs to be replaced with a backup database or when the database is installed to a non-default path.

To select a database location:

1. Click on the Select Database Location icon in the Advent Downloader start menu.



2. Verify that the Connection tab is selected in the Data Link Properties dialog screen.
3. Click on the square next to the database selection field.



4. Select the desired database from the Select Access Database dialog screen.



**Note: The Advent database is not compatible with other ToolBox databases.**

# Part Three:
# Your Advent Downloader Accounts

This section describes basic Advent Downloader operations—setting up new accounts and entering or changing account settings.
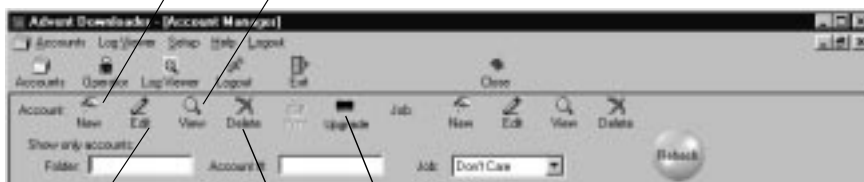
## Setting Up a New Advent Downloader Account

You can set up accounts without connecting to the actual panel.

1.  Enter the Account Manager and select the account (default or custom) you want to copy.  Click on the New icon in the Account Menu.

2.  Type in the eight digit account number followed by the Folder where you want to place it. You may use letters A-F and numbers 0-9. The Folder option allows you to group information for your accounts in one location. You can also name a folder "Template," to store frequently used defaults.

    However, accounts in the Template folder are not loadable.

3.  Click the Create button. Advent Downloader copies database files to your account.

Click to create a new account.

Click to view an account.

Click to edit an account.

Click to upgrade the panel version.

Click to delete an account.

# Editing an Existing Advent Downloader Account

You can edit existing accounts without connecting to the actual panel.

1. In the Account Manager, you can select the account you want to edit by clicking on the folder. After doing so, you will be able to edit the account.

2. Begin editing a selected account by clicking on the Edit icon. You will open a dialog box which reveals another series of tabs that contains the panel settings.

3. Click on the appropriate tab to edit panel settings.
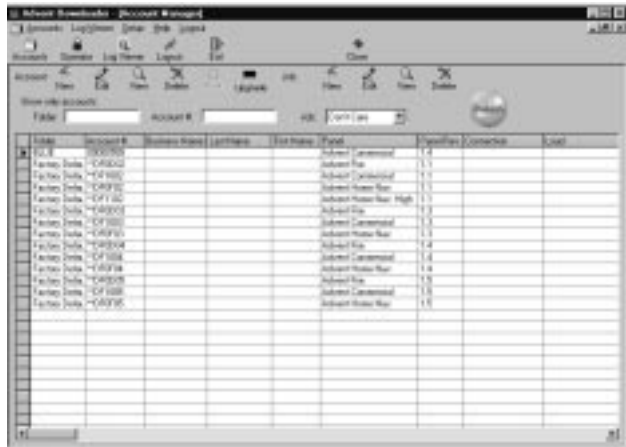




## Account Settings

All possible account settings appear on a series of tabbed dialogue boxes. You can get help at any time by simply pressing F1.

## *Using the Log Viewer*

You can view the results of communication sessions between Advent Downloader and the panel by clicking on the Log Viewer icon or selecting Log Viewer from the Advent Downloader Menu.
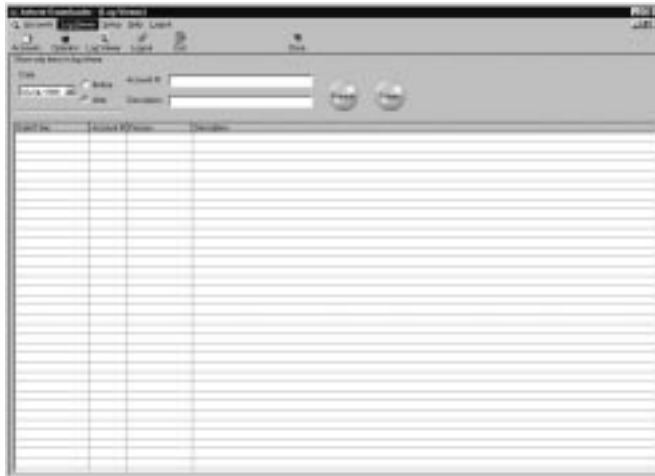


You can filter the data you want to display by specifying the date, typing in the account number, or typing in a description. Click on the Refresh button to view events added since the Log Viewer was opened.

### Upgrading the Panel Version

In order for Advent Downloader to effectively communicate with the panel, the software version in the panel must match the version of the relative account stored in the downloader. Follow these steps to upgrade the panel version.

1.  Before the software version is physically upgraded at the panel, perform an upload of all the panel settings you wish to retain.
2.  Use the mouse to select the row of the account where you wish to perform a software version upgrade.
3.  Click on Upgrade in the Account menu.
4.  Choose the current panel version you wish to upgrade and click OK.
5.  Once the software version has been physically upgraded at the panel, download all the settings to the panel.
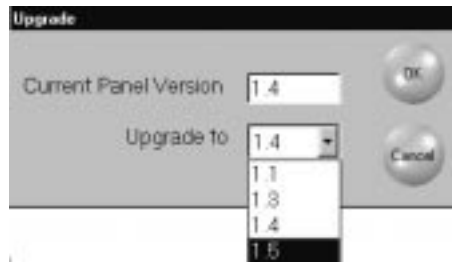
# Part Four:
# Your Advent Downloader Jobs

## Setting Up a Job

Advent Downloader communicates with a panel for both scheduled and unscheduled jobs.

### Understanding Job Basics

Advent Downloader defines a job as the combination of the connection type with the load type:

| CONNECTION TYPE<br>(Who is calling whom) | | LOAD TYPE<br>(Purpose of job) | |
|---|---|---|---|
| Panel calls in to Downloader<br>Downloader calls out to panel | + | Full Upload<br>Full Download<br>User Specified | = **DOWNLOADER JOB** |
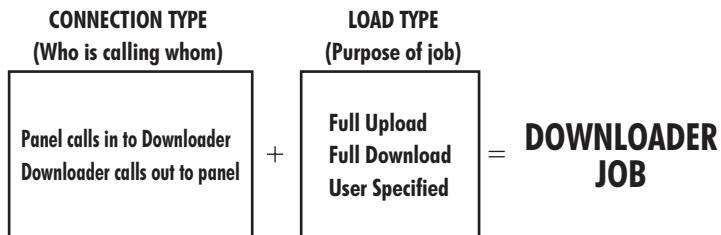
Connections to panels can go in one of two directions:

- Advent Downloader can accept calls from panels whether the call is expected or not. This is considered a *call-in job*.
- Advent Downloader can call individual panels. This is considered a *call-out job*.

There are three purposes for connecting to a panel:

## Upload from Panel

Selecting *Upload from Panel* reads all loadable information from a panel and saves it in the Advent Downloader account. An upload from the panel copies all settings and overwrites any previous loadable account information.

**Upload from Panel**
Selected panel categories can be uploaded to the Downloader from the panel

**Downloader**
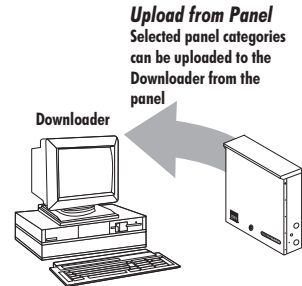
## Download to Panel

Selecting *Download to Panel* writes all loadable account information from the Advent Downloader account to the panel. *It will overwrite all previous settings in the panel.* Select *Download to Panel* to reload your panel settings—when replacing a panel, for example.

**Downloader**

**Download to Panel**
Selected panel categories can be downloaded from the Downloader to the panel
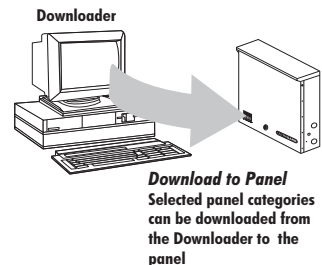
## User Specified

Selecting *User Specified* allows uploading, downloading, and simultaneous uploading and downloading specific panel settings, such as access codes, phone numbers, and sensor information. Click on the panel setting and then the appropriate arrow icon to upload, download, or don't transfer. The settings are based upon job defaults so the categories could be in any or all of the upload/download/don't transfer list boxes.

**User Specified**
Selected panel categories can be uploaded to the Downloader from the panel

**Downloader**

**User Specified**
Selected panel categories can be downloaded from the Downloader to the panel
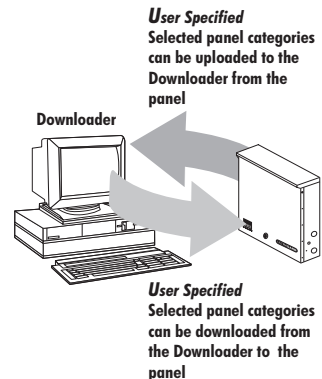
# Creating a Job

Jobs can be created at any time and stored until the designated Start Time. For instance, if an area code changes, you can schedule the accounts affected to call out so Advent Downloader can download the new code to each panel.
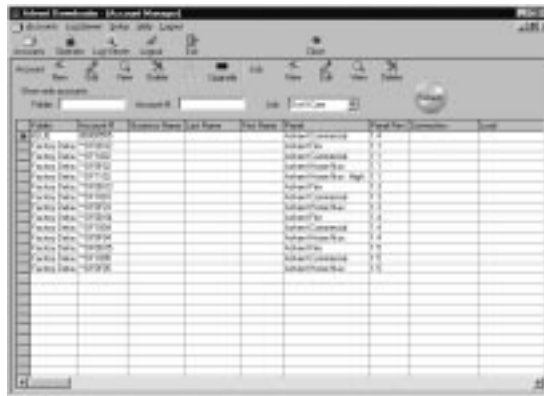
**Note:** All job settings are based upon job defaults.

## *Preparing a Job in Advent Downloader*

1. From the Account Manager, select the account and click on the New icon in the Job menu. If necessary, you can create an entirely new account by clicking on the New icon in the Account menu.



2. The Job Information dialog box appears. (See the figure on the next page.)
3. You don't need to run the job immediately, but the following criteria must be met in order for the jobs to run.

   ■ The on-site phone line must be connected to the panel.

   ■ The modem must be turned on at the computer running Advent Downloader.

   ■ The loading system software must be running so that panels calling in can reach Advent Downloader.

   ■ The downloader access code and the dealer access code must match the database or be left at default. In addition, the account number must match the database (for call-in and call-out jobs) or be left at default (for call-out jobs).  In the account manager, choose the account and click on edit or view. Click on the Codes tab to verify that the dealer and downloader database codes match those at the panel.

4. Advent Downloader is now ready to accept call-in jobs or to execute call-out jobs. Unless a later start time is specified, Advent Downloader will make its calls out when the modem is free.

*What to Do*

These settings tell you the type of job and what the job will accomplish.

*How to Call*

These settings tell you who will make the call.
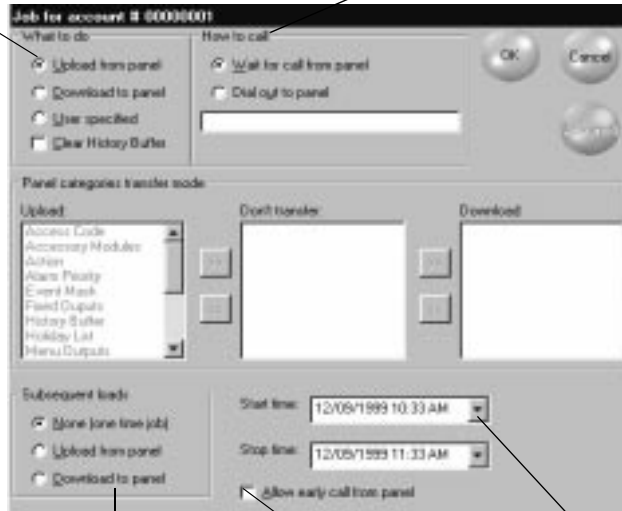


*Advanced*

Click to display advanced features.

*Subsequent Loads*

Keep rescheduling this job as an Upload/Download/ until the Stop Time (as a call-in only).

*Allow Early Call*

If an installer onsite initiates a call to Advent Downloader before the Start Time, click here to allow the job to be run before the Start Time.

*Start Time*

The job will not run before the Start Time and is deleted after the Stop Time.

### *When the Panel is Calling Advent Downloader...*

1. Make sure the panel is connected to the phone line.
2. Program the downloader account number into the panel.
3. Program at least one of the Advent Downloader modem phone numbers into the panel using the codes from Table 2: Initiate the Call-In Job.

#### Table 2: Initiate the Call-In Job

| Advent Downloader Settings |
| --- |
| In order for the panel to call the Advent Downloader the following items must be set:<br>17107 Dealer access code<br>17108 Downloader access code<br>17109 Downloader account number<br>23001 Downloader phone number enabled<br>23002 Downloader phone number<br><br>The menu sequence 0(phones)+2 (data communication) + installer code + [1, 2, or 3](data) is used to initiate the call.<br><br>See Appendix A for feature locations. |

**Note:** In order for this menu sequence to work correctly, the fourth item (data) must be specified as 1 (upload), 2 (download), or 3 (downloader specified). The dealer access code, downloader access code, and account number must match the database; the dealer access code and downloader access code may also be left at default. In addition, the panel software version must match at the downloader and the panel.

## When Advent Downloader is Calling the Panel...

Keep in mind that when Advent Downloader calls the panel, the phone line is going to ring. Make sure that it's not going to disturb anyone before starting a call-out job.

Follow these steps for a panel to accept a call-out job from Advent Downloader:

1. Make sure at least one of the Advent Downloader panel phone numbers are entered in the new job or edit job dialog box.
2. The panel needs to be set correctly before it can accept the call from Advent Down-loader.

Table 3: Panel Settings for Call-Out Jobs

| Accepting Call-Out Actions |
|---|
| In order for the panel to accept an Advent Downloader call the following items must be set:<br>17086 Remote phone access<br>17107 Dealer code<br>17108 Downloader access code<br>17109 Downloader account number<br>17087 Remote phone ring count enabled<br>17052 Ring count<br><br>Ring/pause/ring may be used to access the panel if the following items are set.<br>17088 Remote phone ring/pause/ring enabled<br>17053 Ring/pause/ring count<br>Note: The menu sequence 0+2+installer code (which is used to call downloader) must not be used when Advent Downloader is calling the panel. The panel "flashes" (off hook/on hook/off hook) the phone line, which effectively hangs up on the downloader. The account number, downloader code, and the dealer code must match the database or be left at default. In addition, the panel software version must match at the downloader and the panel. |

# Modifying a Job

After a job is created, it can be edited, deleted, or simply viewed by choosing an option from the Jobs menu.

*Deleting a Job*

Exiting Advent ToolBox does not delete a job. To delete a scheduled job, press the delete button.

*Creating a New Job*

Once you have selected an account, you can create a new job for Advent Downloader.



*Editing a Job*

You can make changes to job settings that are scheduled but not currently running in Advent Downloader.

*Viewing a Job*

You can safely view job settings without modifying them.

# Job Status Window

The Job Status window opens automatically when the Advent Downloader loading system software is running. It displays information regarding the job that is in progress.

**Hangup/Redial**

Terminates call and then redials phone number for ring/pause/ring.

**Account**

Account number of current or previous job.

**Connection**

Call-in or call-out.

**Abort this Job**

Cancels job that is in progress.

**Load Progress**

Bar representation of the portion of the current job already completed.

# Local Downloading Support

In situations where you do not want to disrupt a customer's phone service or an outside phone line is not available, a line simulator provides two-way communication between the panel and the downloader. To activate the line simulator (VIKING© DLE-200B, tested), adhere to the following steps:

- Plug the transformer from the simulator into an active outlet.

- Connect phone line 1 to the panel.

- Connect phone line 2 to the downloader modem (see Table 1 for a list of compatible modems).

- Check the dip switch settings for the VIKING DLE-200B phone line simulator. They are located on the underside of the simulator and all three should all be in the "off" position.

- Leave all jumpers intact.
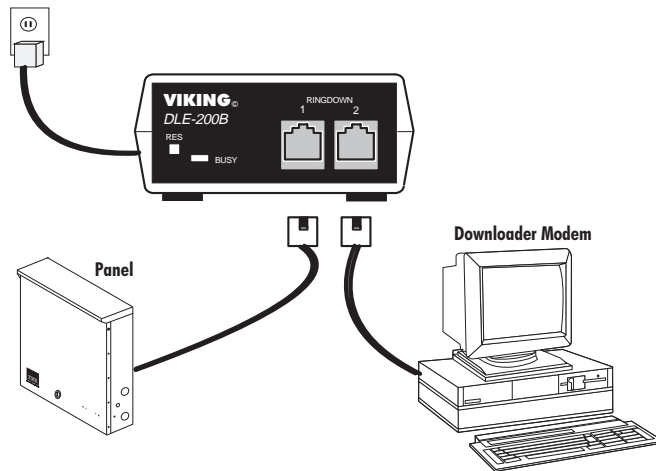


## Call-in Job

To perform a call-in job (panel calls the downloader), enable downloader phone #1 (23001). Leave the downloader phone number blank (23002) and initiate the call-in job as normal.

### Call-out Job

To perform a call-out job (downloader calls the panel), create a job by entering the account manager and click on the New icon in the job menu. The job information dialog box will appear. Leave the phone number field blank and answer "yes" to the error message: "A panel phone number has not been specified. Continue?"

# Logging Out or Exiting Advent Downloader

Once you are finished using Advent Downloader to edit accounts or create jobs, you have the following options:

■  Log out, leaving Advent Downloader running so it can continue to process outstanding jobs.

■  Exit Advent Downloader completely. The scheduled jobs reappear when you restart Advent Downloader unless stop time has elapsed.

**Note:** Exiting the account manager has no effect on jobs. Exiting the loading system does not delete a job. However, clicking on "Abort this Job" will delete any job that is in progress.

# Part Five:
# Backing Up Customer Accounts

Backing up the customer database should be a daily task and part of your disaster recovery plan. It is important to backup the database before reinstalling or uninstalling the application.

## Backup the Database Files

1.  Select Advent Downloader from the Start menu and click on Database Manager.

2.  Login and enter your username and password (you must have administrator privileges). Click on Backup Database (the database must not be in use).

3.  Choose a file name and location for the backup database in the Database dialog screen.

4.  Click on the Save button when you are finished.
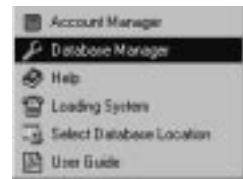
**Note:**  It is strongly recommended that you save the database in a different location or drive if possible.

# Part Six: Troubleshooting

## Installing Advent Downloader

| Problem | Solution |
|---|---|
| An error message occurs due to missing "panels.udl" in starting Advent Downloader; an error message occurs because the database is in the wrong location, misnamed, or deleted. | 1. Reinstall the downloader.<br>2. Find the panels.udl file in Advent Downloader directory.<br><div align="center">or</div><br>1. Click on Select Database Location.<br>2. Make sure that the database name is correct.<br>3. Click on test connection. |

## Communications/Modem

| Problem | Solution |
|---|---|
| An error message occurs due to selecting the wrong modem or selecting a COM port without a modem. | 1. Look at Table 1 to verify that the modem is compatible with Advent Downloader.<br>2. From the Windows Start menu, select Advent Downloader/Loading system.<br>3. Under port management, click on add/delete to add the correct modem. |

# Panel Related Errors

| Problem | Solution |
|---|---|
| Error messages such as "Wrong Dealer Access Code" or "Incorrect Downloader Access Code" occur. | 1. In the account manager, click on the account you want to edit.<br>2. Click on the Edit button.<br>3. From the list of tabs at the top of the screen, choose Codes.<br>4. Verify that the Dealer Access Code and the Downloader Access Code are correct. |
| During a call-in to the downloader, an account number error occurs-- "Account xxxx does not exist. Auto creation disabled." | 1. Verify that the account number entered into the panel is correct by clicking on the log viewer.<br>2. Enter the account number and click on the New button if the account number is correct but the error message still occurs.<br>3. Create a new account by entering the account number and the appropriate private folder location. |
| The message "No job scheduled" or "No job scheduled for account" occurs when the panel makes an unscheduled call-in to Advent Downloader. | 1. Enter the account manager.<br>2. Click setup/system/loading system defaults.<br>3. Specify what you want Advent Downloader to do with unscheduled jobs within the loading system dialog box. |

# Appendix A
# Locating Features in the Tabs

## *Advent System Features*

| Feature Number | Tab Location | Name of Feature |
|---|---|---|
| 17004 | System | System Report Time |
| 17006 | I/O | General Input 1 Response Time |
| 17007 | I/O | General Input 2 Response Time |
| 17008 | I/O | General Input 3 Response Time |
| 17009 | I/O | General Input 4 Response Time |
| 17010 | I/O | General Input 5 Response Time |
| 17011 | I/O | General Input 6 Response Time |
| 17012 | I/O | Expansion Input 1 Response Time |
| 17013 | I/O | Expansion Input 2 Response Time |
| 17014 | I/O | Expansion Input 3 Response Time |
| 17015 | I/O | Expansion Input 4 Response Time |
| 17016 | I/O | Expansion Input 5 Response Time |
| 17017 | I/O | Expansion Input 6 Response Time |
| 17018 | Phone/Advanced | Maximum Ring Cycle Time |
| 17019 | Phone/Advanced | Minimum Ringlet Burst Duration |
| 17020 | Phone/Advanced | Maximum Ringlet Burst Duration |
| 17021 | Phone/Advanced | Minimum Pause Between Ringlets |
| 17022 | Phone/Advanced | Maximum Pause Between Ringlets |
| 17023 | Phone/Advanced | Minimum Pause Between Rings |
| 17024 | Phone/Advanced | Maximum Pause Between Rings |
| 17025 | Phone Access | Time Between R-P-R/Minimum |
| 17026 | Phone Access | Time Between R-P-R/Maximum |
| 17027 | Phone Access | On Hook Hang Up Time |
| 17028 | Phone Access | Local Phone Connect Time |
| 17029 | Phone Access | Local Phone Answer Time |
| 17030 | Phone Access | Max Delay Between Phone Panic Sequence |
| 17031 | Phone/Advanced | DTMF On Time |

## Advent System Features (continued)

| Feature Number | Tab Location | Name of Feature |
|---|---|---|
| 17032 | Phone/Advanced | DTMF Off Time |
| 17034 | Phone | Phone Test Interval |
| 17036 | System | AC Stable Time |
| 17037 | System | Low Battery Trip Voltage |
| 17038 | System | Battery Restored Voltage |
| 17039 | System | Battery Voltage Shutdown is Started |
| 17040 | System | Battery Voltage Shutdown is Canceled |
| 17041 | System | Hours to Delay Before Reporting AC Failure |
| 17043 | System | Percent Full History Buffer Reports |
| 17044 | System | Percent Full Report Buffer Reports |
| 17046 | Alarms | Medical Siren Cadence |
| 17047 | Alarms | Police Siren Cadence |
| 17048 | Alarms | Auxiliary Siren Cadence |
| 17049 | System | RF Supervisory Time A |
| 17050 | System | RF Supervisory Time B |
| 17051 | Zones | Smoke Loop Reset Time |
| 17052 | Phone Access | Answer Phone after xx Rings |
| 17053 | Phone Access | Cancel Ring-Pause-Ring After xx Rings |
| 17054 | Phone/Advanced | Minimum Cycles in a Valid Ring |
| 17055 | Phone/Advanced | Number of Ringlets Needed for Valid Ring |
| 17056 | Phone Access | Local Phone Connect Sequence |
| 17057 | Phone Access | Phone Device Override Sequence |
| 17058 | Phone | System Pager ID |
| 17059 | System | Microphone Volume |
| 17062 | Alarms | System Strobe Light Type |
| 17063 | I/O | General I/O 1 |
| 17064 | I/O | General I/O 2 |
| 17065 | I/O | General I/O 3 |
| 17066 | I/O | General I/O 4 |
| 17067 | I/O | General I/O 5 |
| 17068 | I/O | General I/O 6 |

## Advent System Features (continued)

| Feature Number | Tab Location | Name of Feature |
|---|---|---|
| 17069 | Phone | No Phone Line Attached |
| 17070 | System | Enable Daylight Savings |
| 17072 | System | Enable RF Jam Detect |
| 17073 | System | Battery Test Interval |
| 17074 | System | High Rise Installation |
| 17075 | System | Enable Long Range Radio |
| 17076 | System | Installation Type Commercial/Residential |
| 17077 | Alarms | Fire Alarm in One Partition Sounds in All Partitions |
| 17078 | System | Detect Receiver Failure |
| 17079 | Alarms | Alarm Messages Played at High Volume |
| 17080 | Phone Access | Enable Local Phone Police Alarm |
| 17081 | Phone Access | Enable Local Phone Auxiliary Alarm |
| 17082 | Phone Access | Enable Local Phone Fire Alarm |
| 17083 | Alarms | Play Evacuation Messages During Fire Alarms |
| 17084 | Alarms | First Disarm Silences Fire Alarm; Second Disarm Cancels the Alarm |
| 17085 | Phone Access | Enable Local Phone Access in Partition 1 |
| 17086 | Phone Access | Enable Remote Phone Access |
| 17087 | Phone Access | Enable Remote Phone Ring Count |
| 17088 | Phone Access | Enable Remote Phone Ring-Pause-Ring |
| 17089 | Phone Access | Enable Remote Phone Override |
| 17090 | Phone Access | Enable Toll Saver |
| 17091 | Phone/Advanced | Valid Ring at Beginning or End of Cycle |
| 17092 | System | Phone Off Hook is Activity |
| 17094 | Phone | Enable DTMF Dialing Line 1 |
| 17095 | Phone | Enable DTMF Dialing Line 2 |
| 17096 | System | Report System Events |
| 17097 | System | Print Line Feed After Carriage Return |
| 17098 | Phone Access | Allow Remote Phone Zone Test |
| 17099 | System | Print System Events |
| 17101 | Phone | Number of Dial Attempts Before Reporting Failure to RF Buddy |

## Advent System Features (continued)

| Feature Number | Tab Location | Name of Feature |
|---|---|---|
| 17102 | Phone | System Account Number 1 |
| 17103 | Phone | System Account Number 2 |
| 17104 | Alarms | Evacuation Message Count |
| 17105 | Phone | Line 1 Dialing Prefix |
| 17106 | Phone | Line 2 Dialing Prefix |
| 17107 | Codes | Dealer Access Code |
| 17108 | Codes | Downloader Access Code |
| 17109 | Customer | Downloader Account Number |
| 17111 | Alarms | Time Fire Alarm is Silenced |
| 17112 | I/O | Output Activation Delay |
| 17113 | I/O | Activation Interval A |
| 17114 | I/O | Activation Interval B |
| 17115 | I/O | Activation Interval C |
| 17116 | I/O | Activation Interval D |
| 17117 | Zones | Zone Delay Time |
| 17118 | I/O | General Input 7 Response Time |
| 17119 | I/O | Expansion Input 7 Response Time |
| 17120 | I/O | Expansion Input 8 Response Time |
| 17122 | System | Panel Calls Back to Downloader |
| 17123 | System | AC Frequency |
| 17124 | System | Printer Supports Epson ESC/P Protocol |
| 17125 | System | Partition Text Displayed on Touchpads and Spoken Over Speakers |
| 17128 | Alarms | Annunciate Earliest Fire Alarm Not the Most Recent |
| 17126 | Alarms | Unsilence Alarm After Silencing Period |
| 17129 | System | Non UL-864 System |

# Appendix B
# Partition Features

## *Advent Partition Features*

| Feature Number | Tab Location | Name of Feature |
|---|---|---|
| xx001 | Partitions/Alarms | Daily Trouble Reporting Time |
| xx002 | Partitions/Alarms | Siren Time Out |
| xx003 | Partitions/Arming | Standard Entry Delay |
| xx004 | Partitions/Arming | Standard Exit Delay |
| xx005 | Partitions/Arming | Extended Delay |
| xx006 | Partitions/Arming | Fast Beep Duration |
| xx007 | Partitions/Arming | Time Between Arming Notification and Arming |
| xx008 | Partitions/Arming | Extension Time |
| xx009 | Partitions/Alarms | No Activity Tripped After |
| xx010 | Partitions/Alarms | Delay Between No Activity Trip and Alarm |
| xx011 | Partitions/Zones | Zone Test Time-out |
| xx012 | Partitions/Reporting | Delay Between Generated Panic Alarm and Alarm Reporting |
| xx013 | Partitions/Reporting | Delay Between Generated Standard Alarm and Alarm Reporting |
| xx014 | Partitions/Reporting | Delay Between Generated Fire Alarm and Alarm Reporting |
| xx015 | Partitions/Alarms | Delay Between Suspicion Zone Trip and Alarm Generated |
| xx017 | Partitions/Arming | Number of Zones that can be Bypassed |
| xx018 | Partitions/Arming | Level Changes Threshold 1 |
| xx019 | Partitions/Arming | Level Changes Threshold 2 |
| xx020 | Partitions/Arming | Level Changes Threshold 3 |
| xx021 | Partitions/Arming | Swing Count |
| xx022 | Partitions/X-10 | X-10 House Code 1 |
| xx023 | Partitions/X-10 | X-10 House Code 2 |
| xx025 | Partitions/Arming | Enable Arming Level 2 |
| xx026 | Partitions/Arming | Enable Arming Level 3 |
| xx027 | Partitions/Arming | Enable Arming Level 4 |

## Advent Partition Features (continued)

| Feature Number | Tab Location | Name of Feature |
|---|---|---|
| xx028 | Partitions/Arming | Enable Arming Level 5 |
| xx049 | Partitions/X-10 | Non X-10 Output Assignments/ Menu Output 33 |
| xx050 | Partitions/X-10 | Non X-10 Output Assignments/Menu Output 34 |
| xx051 | Partitions/X-10 | Non X-10 Output Assignments/Menu Output 35 |
| xx052 | Partitions/X-10 | Non X-10 Output Assignments/Menu Output 36 |
| xx053 | Partitions/X-10 | Non X-10 Output Assignments/Menu Output 37 |
| xx054 | Partitions/X-10 | Non X-10 Output Assignments/Menu Output 38 |
| xx055 | Partitions/X-10 | Non X-10 Output Assignments/Menu Output 39 |
| xx056 | Partitions/X-10 | Non X-10 Output Assignments/Menu Output 40 |
| xx057 | Partitions/Zones | Keyfob Key Assignments/Disarm |
| xx058 | Partitions/Zones | Keyfob Key Assignments/Arm |
| xx059 | Partitions/Zones | Keyfob Key Assignments/Lights |
| xx060 | Partitions/Zones | Keyfob Key Assignments/Star |
| xx061 | Partitions/Zones | Keyfob Key Assignments/Lights_Star |
| xx063 | Partitions/Zones | Keyfob Key Assignments/Arm Level 3 |
| xx064 | Partitions/Zones | Keyfob Key Assignments/Arm Level 2 |
| xx065 | Partitions/Zones | Keyfob Key Assignments/Arm_Star |
| xx066 | Partitions/Zones | Keyfob Key Assignments/Disarm_Lights |
| xx068 | Partitions/General Info. | Enabled |
| xx069 | Partitions/Reporting | Access Code Required for Light Control |
| xx070 | Partitions/Reporting | Access Code Required for Device Control |
| xx071 | Partitions/Reporting | Access Code Required for Latchkey Access |
| xx076 | Partitions/Alarms | Enable Keystroke Violation Alarm |
| xx077 | Partitions/Reporting | Second Intrusion Causes Report |
| xx078 | Partitions/Alarms | Generate Alarm for Suspicion Zone Trips |
| xx079 | Partitions/Alarms | Generate Alarms for Unarmed Tamper Signals |

## Advent Partition Features (continued)

| Feature Number | Tab Location | Name of Feature |
|---|---|---|
| xx080 | Partitions/Alarms | First Trip in Two Trip Zone Type Generates Local Police |
| xx081 | Partitions/Alarms | Disable Siren Time Out for Fire Alarms |
| xx082 | Partitions/Zones | Key or Code Needed for Special Fire Touchpad Keys |
| xx083 | Partitions/Alarms | Tamper Signals From Fire Zones are Alarms |
| xx084 | Partitions/Zones | Touchpad Options/Enable Aux_Med Assignment |
| xx085 | Partitions/Zones | Touchpad Options/Enable Police Panic Keys |
| xx086 | Partitions/Zones | Touchpad Options/Enable Aux_Med Panic Keys |
| xx087 | Partitions/Zones | Touchpad Options/Enable Fire Panic Keys |
| xx088 | Partitions/Reporting | Report Partition Event to Central Station |
| xx089 | Partitions/Reporting | Cancel Event Cancels Reports |
| xx090 | Partitions/Reporting | Second Fire Alarm Ends Reporting Delay |
| xx091 | Partitions/Reporting | Print Partition Events |
| xx092 | Partitions/Arming | Enable Auto Force Arming |
| xx093 | Partitions/Arming | Enable Quick Arming |
| xx094 | Partitions/Arming | Enable Scheduled Arming |
| xx095 | Partitions/Arming | Enable Swinger Bypass |
| xx096 | Partitions/Arming | Enable Automatic Unbypass |
| xx097 | Partitions/Arming | Exterior Arming Verification |
| xx098 | Partitions/Reporting | Audible Verification at Close of Reports |
| xx100 | Partitions/Arming | Fast Beeps at End of Exit Delay Only |
| xx101 | Partitions/Arming | Standard Exit Delay Options/Early Termination Enabled |
| xx102 | Partitions/Arming | Standard Exit Delay Options/One Time Reset Enabled |
| xx103 | Partitions/Arming | Beeps During Standard Entry Delay Only |
| xx108 | Partitions/Alarms | Enable Daily Reporting of Partition Trouble |
| xx110 | Partitions/Zones | Announce/Display Zone Text with Chime |
| xx111 | Partitions/Zones | Chime on Zone Restoral |

## Advent Partition Features (continued)

| xx112 | Partitions/Reporting | Generate Restoral Reports for Reporting Zone Types |
|-------|---------------------|---------------------------------------------------|
| xx113 | Partitions/Alarms | Exterior Siren Delay |
| xx114 | Partitions/Zones | Announce RF Low Battery Instantly |
| xx116 | Partitions/General Info. | Account Number 1 |
| xx117 | Partitions/General Info. | Account Number 2 |
| xx118 | Partitions/Arming | Default Keyfob /Schedule Arming Level |
| xx120 | Partitions/Arming | Default Keyswitch Arming Level |
| xx122 | Partitions/Alarms | Agent Release Zone 1 |
| xx123 | Partitions/Alarms | Agent Release Zone 2 |
| xx124 | Partitions/Alarms | Agent Release Delays/Automatic |
| xx125 | Partitions/Alarms | Agent Release Delays/Manual |

**Interactive Technologies, Inc.**
2266 Second Street North
North Saint Paul , MN 55109-2900
T: 651/777-2690
F: 651/779-4890
1-800-777-1415
www.ititechnologies.com

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