ScheduleR User Manual

Version 1.14

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ScheduleR User Manual

Introduction

ScheduleR User Manual is to help you to use Scheduler program. It can set up schedules with WinEDT .N99 message files and send them to signs.

Installation

Follow the instructions to install ScheduleR.

1. Make sure you have administrator rights on your PC.
2. If your system is Windows XP, skip this step and go to step 3. For other Windows system, run “InstMsi2.0.exe” to install Microsoft Windows Installer version 2.0.

    - If it asks you to restart Windows, restart Windows immediately.
    - If a warning box shows “The specified service already exists” after running it, click OK. It means the Windows Installer 2.0 is already installed so you can skip this step and go to step 3.

3. Run “Setup_Scheduler_v1.14.exe” to install ScheduleR program and MSXML. Default installation directory is “C:\Program Files\ScheduleR”. Default Program Group is “Optec Displays\ScheduleR v1.14”.
4. After installation complete, you can start running ScheduleR.

    - Double-click “ScheduleR” icon on the desktop.
    - Or click “Start” - “Programs” - “Optec Displays” - “ScheduleR v1.14” - “ScheduleR”.

Uninstallation

To uninstall the program, go to the start menu, run "Programs\Optec Displays\ScheduleR v1.14\Uninstall ScheduleR".

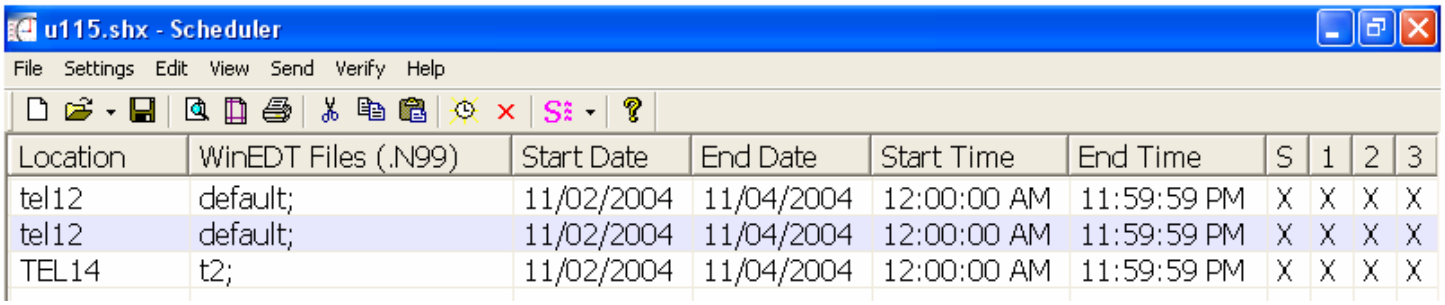
Create Schedules

Double-click

“Scheduler” icon on the desktop or choose “Programs\Optec Displays\ScheduleR v1.14\Run ScheduleR” from the Start Menu.

Before sending schedules to the sign, you have to create schedules and saved as .SHX file.

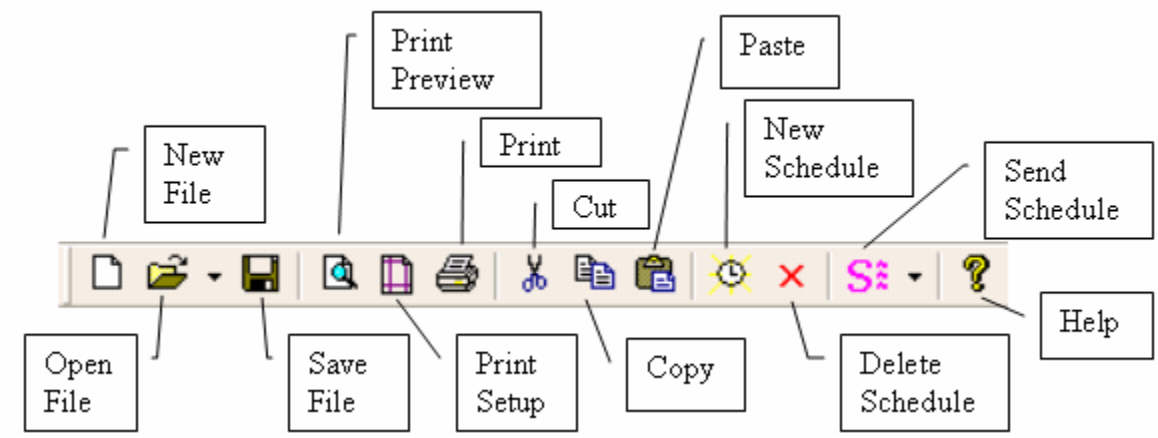
A single schedule is a line item (row) in the overall scheduler data view. A ScheduleR file is an aggregate of all defined schedules.



Location	WinEDT Files (.N99)	Start Date	End Date	Start Time	End Time	S	1	2	3
tel12	default;	11/02/2004	11/04/2004	12:00:00 AM	11:59:59 PM	X	X	X	X
tel12	default;	11/02/2004	11/04/2004	12:00:00 AM	11:59:59 PM	X	X	X	X
TEL14	t2;	11/02/2004	11/04/2004	12:00:00 AM	11:59:59 PM	X	X	X	X

Tool Bar

Toolbar buttons are shortcuts to the menu items, you can see them under the menu bar.



You can also get hints about each toolbar when you put your mouse arrow on the specific button for one second.

Create a New ScheduleR File

To create a new schedule file with extension **.SHX**, choose "File->New" from the main menu or click on the "New" button in the toolbar or press "Ctrl+N" keystroke. Save files whenever you changed schedules.

Save to a ScheduleR File

Save your schedules as "filename.SHX". To save it, you can choose "File->Save" from the main menu or click on the Save button in the toolbar or press "Ctrl+S" keystroke.

Open an existing ScheduleR File

To open an existing schedule file, choose “File->Open” from the main menu or click on the Open button in the toolbar or press “Ctrl+O” keystroke. Select .SHX files.

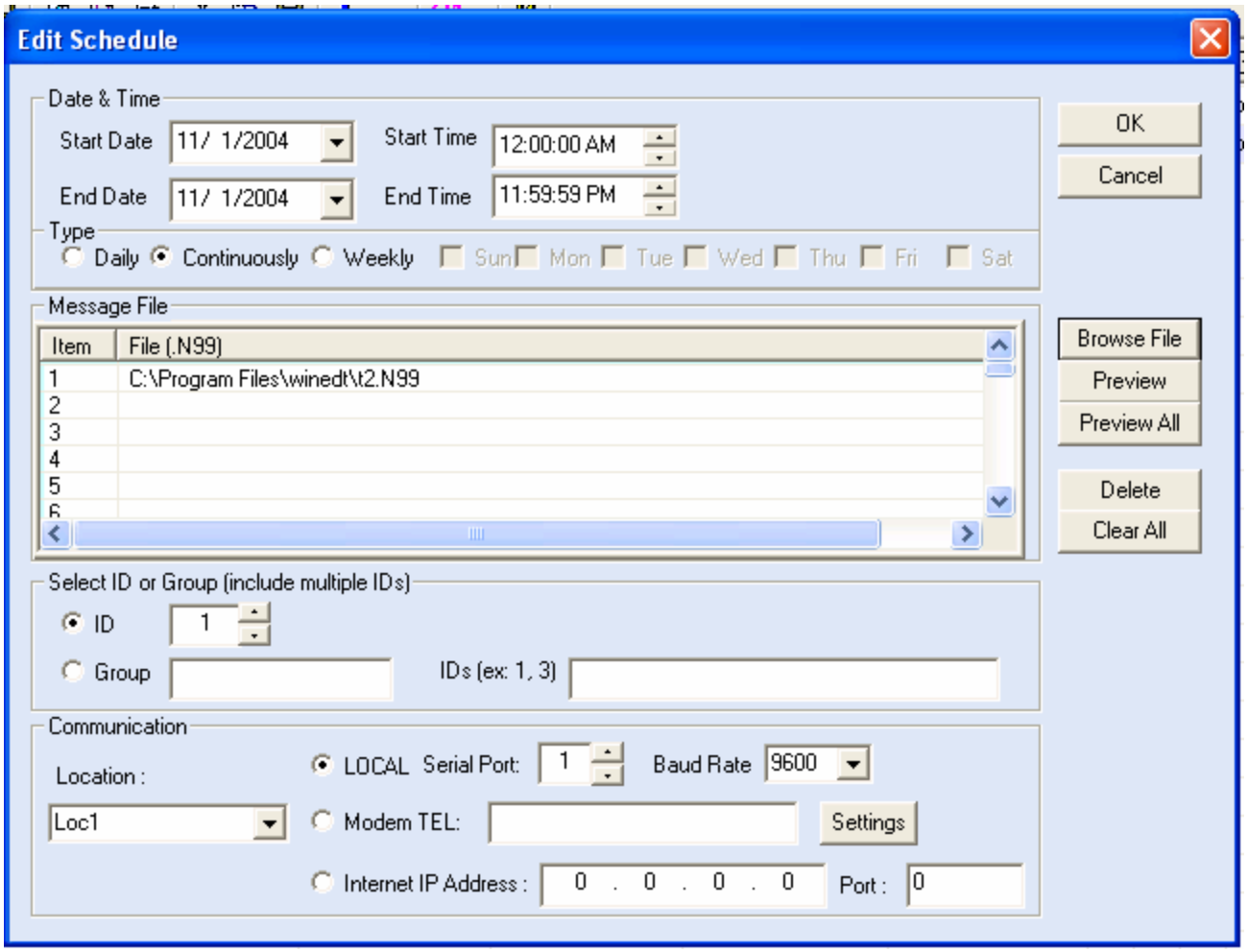
After you create a new or open an existing ScheduleR file, you can add, edit and delete schedules on the screen and save them to ScheduleR file.

Add a New Schedule

To add a new schedule, move the cursor to the blank row and double-click the left button of the mouse or click right button of the mouse. Or choose “Edit” - “Add” from the main menu as below or click on the in the toolbar. The new schedule will be added at the end of all schedules on the screen. This added schedule has default data but contains no message. You have to add .N99 files and change the schedule data.

Change Schedules

To change a schedule, move the cursor to the row of the schedule and double click the left button or click the right button of the mouse. An Edit Schedule will be shown as below.



There are three types of schedules. **Default is continuously**.

• **Daily**: For example, when start date is 3/3/2004, start time is 07:00:00AM, end date is 3/18/2004 and end time is 9:59:59PM. Schedule runs from 7AM to 9:59:59PM everyday from 3/3/2004 to 3/18/2004. However, the schedule does not include 12AM to 7AM and 10PM to 12PM everyday from 3/3/2004 to 3/18/2004. **Note: In this type, End Time must be greater than Start Time.**

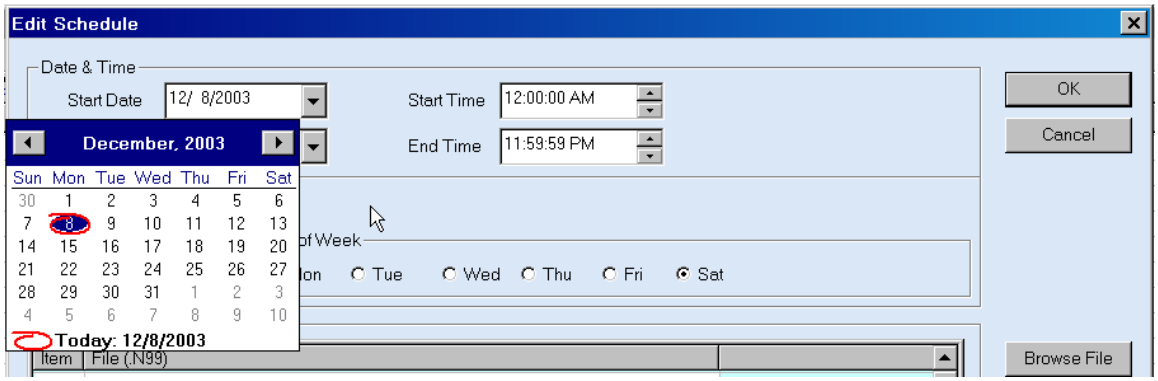
• **Continuously**: You can have continous schedules for a long period. For example, you can have a schedule from 8AM on 10/3/2004 to 7:59:59PM on 11/18/2004. However, this schedule is equal to 3 daily schedules. **Note: The maximum allowed continuous schedules are less than daily schedules.**

• **Weekly**: This is weekly schedule. You can select one or more weekdays, for example, every Friday, Saturday and Sunday from 3/3/2004 to 3/18/2004. **Note: In this type, End Time must be greater than Start Time. The maximum allowed weekly schedules are less than daily schedules.**

Note: The total maximum 19 schedules is allowed for each sign ID. To calculate the total number of schedules for each sign ID, add the sum of the number of daily schedule and the sum of the number of continuous schedules multiplying by 3 and the sum of the number of selected weekdays for every weekly schedule. For example, if you want to send schedules with 2 daily schedules, 4 continous schedules and a weekly schedule with 3 weekdays selected. Then you may have total schedules = 2 + 4 * 3 + 1 * 3 = 17. Thus it is not larger than maximum 19 schedules and can be sent to the sign.

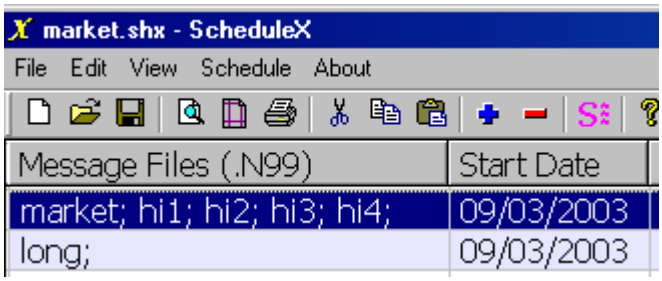
To change the **Start date or End date**, click the date picker and the calendar will be displayed for you to change it or you can edit it yourself. Format is MM/DD/YYYY. MM is month. DD is date of the month. YYYY is year. Default is today. **Note: End Date must be equal or greater than Start Date.**

To change the **Start Time or End Time**, click the time picker up or down or edit it by yourself. Format is HH:mm:SS AM/PM. HH is hour, mm is minute, SS is second. Default Start Time is 12:00:00 AM and End time is 11:59:59PM. Note: You can only change hour, minute and AM/PM, not the second. Because the sign changes display by a minute change, not by second.



Message Files

To add WinEDT .N99 files, move the cursor to the row of Message Files Block and click "Browse File" button to add .N99 files. After clicking ok when selected any file, you can see each .N99 files is separated by semicolon (;), and the extension .N99 is not shown on the filename. You can also preview, preview all, delete or clear all files shown here. **Note: Do not leave Message files blank .**



ID or Group

If you want different IDs displaying different messages, Select an ID, default is 1. Click up and down to change the ID value.

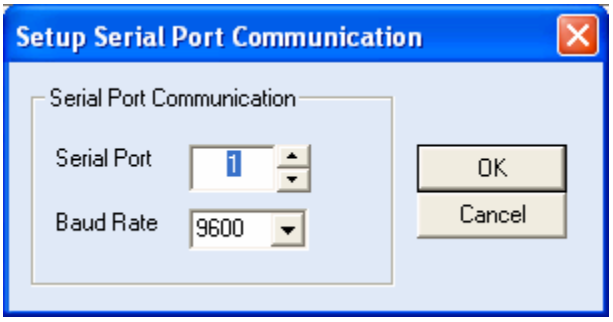
If you want multiple signs with different IDs displaying the same message at the same time, you may add a group name for these Ids. Select "Group" and edit the Group as "GroupName", and IDs as "1, 2, 5", including IDs 1, 2, and 5. Put ID numbers and each ID number is separated by two characters, a comma and a blank.

Location is to set a Location name to represent for the same communication, for example, if you have communication link com port 1 and baud rate 9600. You can set a Location name as "Local1" for it.

Communication:

There are three communication types: Local (Serial Port), Modem and Internet. You can choose either type for communication.

1. **Local**: Use direct link, RS-232 port. Default is Serial Port = 1, Baud Rate = 9600. Click up and down arrow to change the com port number. Scroll up and down to change the baud rate.
2. **Modem**: Enter a Telephone number and click the "Settings" button to change the serial port settings connected to this telephone modem, the screen will appear as below.



3. **Internet**: Set sign's Internet IP address with xxx.xxx.xxx.xxx (ex: 192.168.0.1) and Internet Port number (0 ~ 65535). An optional location is available.

Copy, Cut and Paste Schedules

You can copy or cut selected schedules and paste to the end of the schedules.

To cut schedules or rows, select the rows or schedules you want to move to the clipboard. Choose Edit->Cut from the main menu or click on the Cut button in the toolbar.

To copy schedules or rows, select the rows or schedules you want to copy. Choose "Edit->Copy" from the main menu or click on the Copy button in the toolbar.

To paste schedules from the clipboard, choose “Edit->Paste” from the main menu or click on the Paste button in the toolbar. The schedules from clipboard will be appended to the bottom of the schedules on the screen.

Delete Schedules

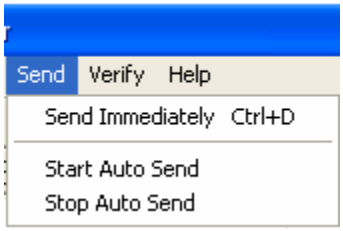
There are two steps for this:

1. To delete a schedule (or a row), move your mouse and click on the schedule you want to delete, the background color of the schedule will change from white to blue.

To delete multiple schedules, press “Ctrl” on the keyboard and click on these schedules together.

2. Then choose “Edit->Delete” from the main menu or click on the Delete button in the toolbar.

Send Schedules



There are three ways to send schedules as below. Click the arrow button on the right of the “Send Immediately” toolbar, and select one of them. Or click menu “Send” and select one send method.

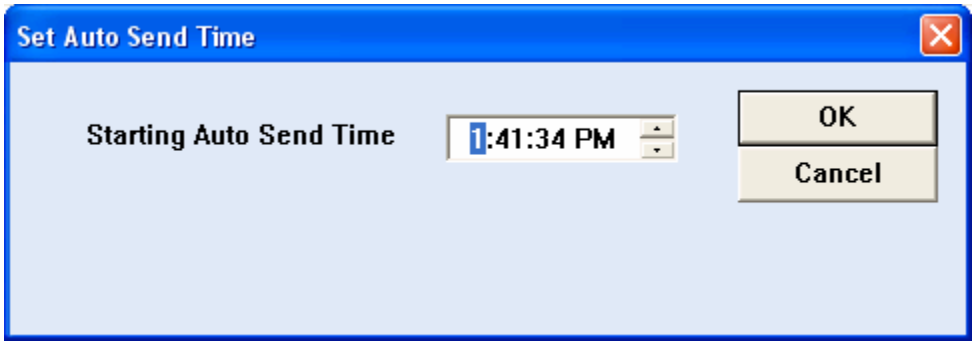
1. **Send Immediately:**

You can send schedules to the sign immediately and the schedules on the sign will be immediately updated. Click “Send” - “Immediately” from the main menu or the toolbar Send button. Note: Remember to save schedule “.SHX” files before sending schedules.

2. **Autosend Active:**

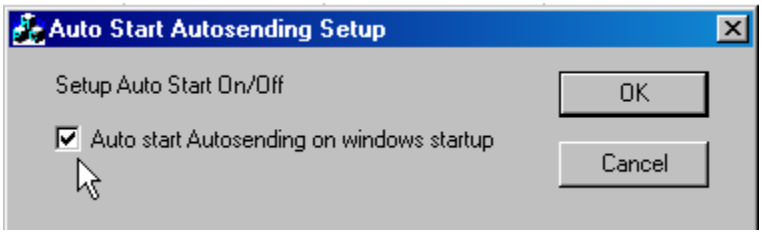
If you want to autosend schedules on a particular time once everyday, use autosend. Thus the schedules on the sign will be updated once everyday.

Click menu “Send” - “Start Auto Send” and change the starting autosend time, for example, if you want to autosend on 6AM everyday, change it to “6:00:00AM” and click OK.



Note: In autosend mode, you can use large number of rety resending times.

To auto start autosending function on windows startup, choose menu “Settings -> Setup auto start Autosending”. Check the “Auto start Autosending on windows startup”. However, to disable autostart autosending, uncheck the box. Default is unchecked, i.e., autostart off.

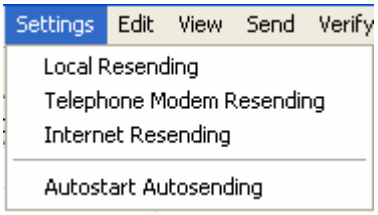


Note: Do not shutdown, standby or hibernate computer in autosending mode. Go to “Start” -> “Control Panel” -> “Power Options” -> “Power schemes” and select “Always On” to make the computer always on.

3. **Autosend Stop:**

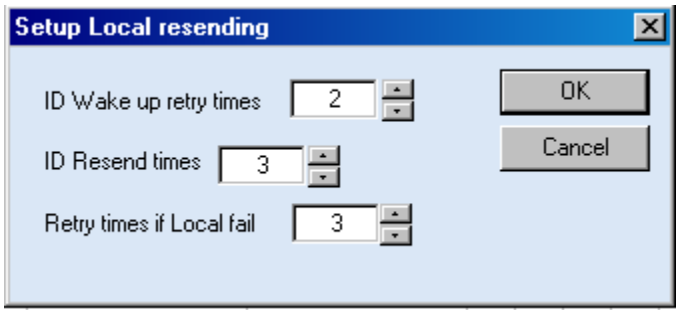
To stop the autosend, choose “Send->Stop Auto Send” from the main menu.

Resending



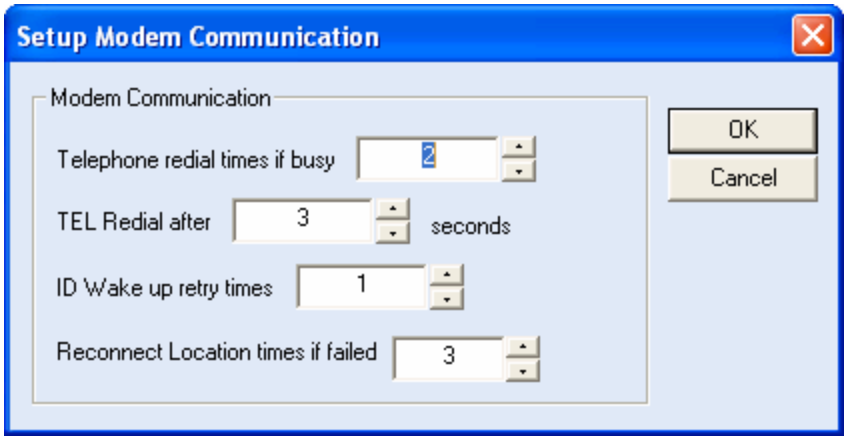
Before sending schedules, you can change the number of times to retry sending schedules.

For **Local resending**, choose “Settings” -> “Setup Local resending” from the main menu.



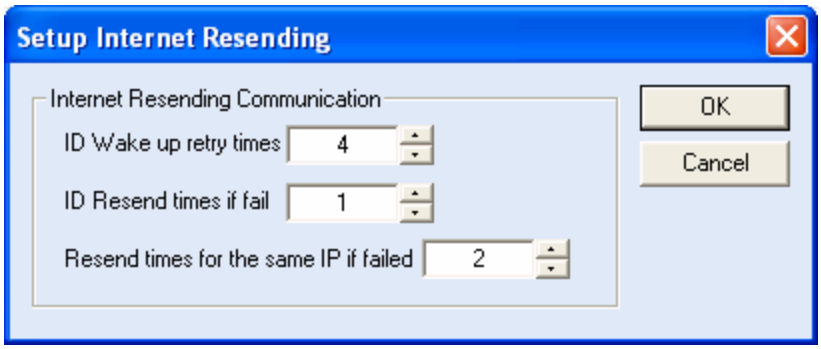
a. To try to wake up ID multiple times, please set “ID Wake up retry times” field.
b. To resend ID if failed, please set “ID Resend times” field.
c. To reopen direct link COM port, please set up “Retry times if Local fail”.

For **Telephone Modem Resending**, choose “Settings” -> “Setup Modem Redial” from the main menu and a screen will be shown below.



a. To resend a schedule if send status is failed, set up the number of times in the field of “Reconnect Location times if failed”.
b. To set telephone redial times if busy and redial after number of seconds, set the specified field.
c. To set ID wakeup retry times if failed on wakeup, set the specified field.
d. Set the destination location name in Location field and Tel number in TEL field.

To change the **Internet resending** settings, choose “Settings” -> “Setup Internet Resending” from the main menu and a screen will be shown below.



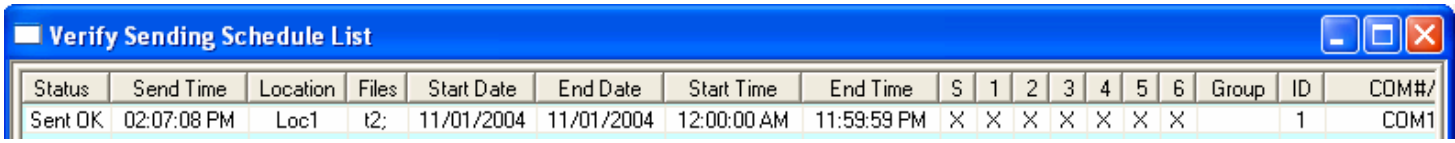
a. To set ID wakeup retry times if failed on wakeup, set the specified field.

b. To resend schedules to Sign ID if send status is failed, set up the number of times in the field of "ID Resend times if failed".

c. To set resend times for the same Internet IP if failed, set the specified field.

Verify Send Schedules

The status of sending schedules on the screen will be shown and updated when sending.



Status	Send Time	Location	Files	Start Date	End Date	Start Time	End Time	S	1	2	3	4	5	6	Group	ID	COM#/
Sent OK	02:07:08 PM	Loc1	t2;	11/01/2004	11/01/2004	12:00:00 AM	11:59:59 PM	X	X	X	X	X	X	X		1	COM1

The Status field shows the send status and the send time shows the send time. The messages shown on status field are listed as below:

1. **Sent OK**: This schedule is sent successfully for any connection type. This is the only successful status.

The below status are all failed or cancelled status.

2. Local Fail: Unable to open serial port or Serial Port is not available or failed.

3. Group Fail or ID fail: Group or ID are not connected successfully or wrong connection type.

4. LOC Fail: The destination location dialed by modem is not able to answer your call or not connected ok.

5. No DialTone: No dial tone for modem.

6. No Carrier: No carrier for modem.

7. Modem Fail: Modem is not functioning properly.

8. Connect Fail: Cannot connect to the destination IP address with port number.

9. Socket Fail: Internet Socket open fail.

10. Send Fail: Fail to send data on Internet Connection.

11. Recv Fail: Fail to receive data on Internet connection.

12. Schedule Fail: The schedules for the this ID or Group is over limit: 19.

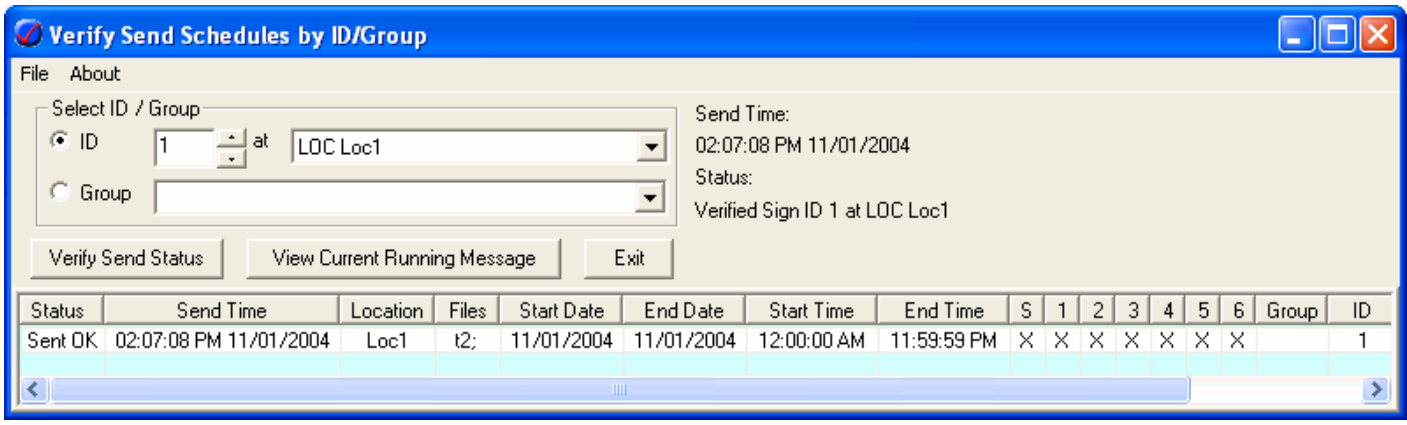
13. Memory Fail: Out of memory in this ID or Group.

14. Cancelled: User cancelled sending.

15. Not Sent: The schedule is not sent due to past time.

16. Unknown: Unknown status.

To verify sent schedules by ID/Group, choose "Verify->Verify by ID/Group" from main menu. A dialog will be shown below.



Choose ID or Group at specified location, for example, ID 1 at "LOC Loc1" and press "Verify Send Status" to see the last sent status for this ID/Group. "LOC Loc1" means location "Loc1".

To preview current running message on the ID/Group, select the ID or Group at a location and press "View Current Running message" button. The sent time for running message is shown in the Sent Time.

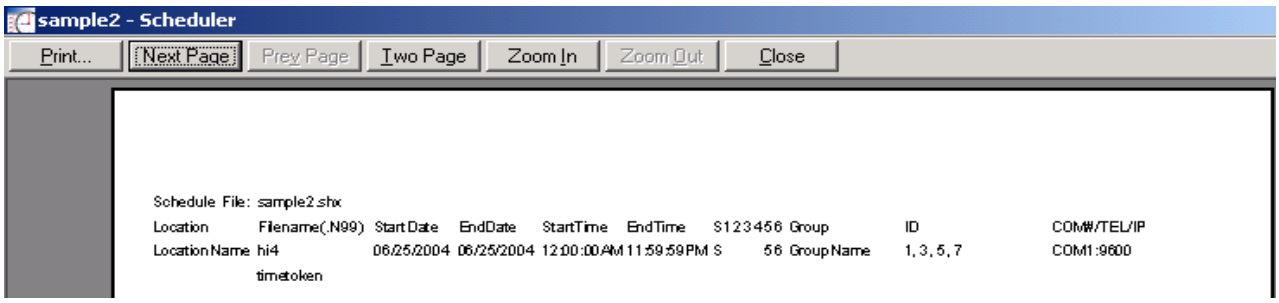
Print

Print Setup

To setup the printer, choose “File” – “Print Setup” from the main menu or click on the Print Setup button in the toolbar. Please change Orientation to “landscape” mode.

Print Preview

Before printing schedules, you can preview your schedules on the screen. Choose “File” - “Print Preview” from the main menu or click on the Print Preview button in the toolbar. The example, sample2.shx, is shown in the following figure.



The first line is “Schedule File: [filename].shx”. The second line is the title of every field for the schedule. Starting from the third line, the schedules are dumped on the screen. If a schedule includes multiple files, it print multiple rows.

There are seven buttons on the top of the screen. You can click on “Zoom In” or “Zoom Out” button to increase or decrease the viewing size. You can print it by click on “Print” button. To finish previewing, click on “Close” button and it will go back to the Scheduler main program.

Print

To print the schedules in the screen to the printer, choose “File” – “Print” from the main menu or click on the Print button in the toolbar.

View

Toolbar

You can activate or deactivate the toolbar view, check or uncheck “View->Toolbar” from the main menu.

Status Bar

The Status Bar is on the bottom of the program window; it displays text about the current status of the program or detailed tool tips of toolbar buttons. You can activate or deactivate the toolbar view, check or uncheck “View” - “Status Bar” from the main menu.

Help

To see online help, Click on the toolbar or “Help” - “Contents” from the main menu.

Version

To get version, click “Help” - “About” from the main menu.

FAQ/Troubleshoot

Unable to initialize XML

If you see an error message “Unable to initialize XML” when program attempts to save files, then Windows Installer 2.0, ScheduleR and MSXML are not installed well. Reinstall the software by following the steps in **Installation** section.

Contact Us

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