

Quick Start Procedure

This procedure is designed to get the *Series 1000EX* dialer operating in a typical manner with a minimum of programming. All that is needed is a touch-tone phone with a mute button and a Microtel Series 1000EX.

1. Plug the touch-tone telephone into the Dialer PHONE jack. Take the telephone off-hook.
2. Turn on the Power Switch and verify the Dialer has power. (Power/Fault light will pulse with a 95% duty cycle indicating no errors). The **Off Hook** light will come ON (red) indicating the unit is ready to accept touch-tone commands from the local telephone. At this point, press the Mute button on the telephone. This will clear up all background noise while still allowing touch-tones to be sent.
3. Press the # key on the telephone. The Dialer will respond "System Ready."

NOTE: Any time you wish to start over, press the # key and listen for "System Ready."

4. Set Time and Date

- Enter the command `0**60HHMM*`, where the actual 24-hour time is substituted for HHMM. For example, if the time is 1:00 p.m., enter `0**601300*`.
- The Dialer will respond, "The time is one three zero zero" for the above example.
- Enter the command `0**61MMDDYY*` where the actual date is substituted for MMDDYY. For example, if the date is January 2, 1997, enter `0**61010297*`.

Note that if the year is 2000 or above, simply put the last 2 digits of the year. For example, the year 2003 would be entered as YY = 03.

- The Dialer will respond, "The date is zero one zero two nine seven" for the above example.

5. Enter the Telephone Number of the Dialer.

- Enter the command `0**100p**`, where p is the telephone number (up to 16 digits) of the Dialer's telephone line. For example, if the Dialer is connected to 504-276-0571, Enter `**010 5042760571 **`.
- The Dialer will respond, "The system telephone number is 5042760571."

6. Enter Telephone Numbers to Call upon Alarm.

- Enter `**01np**`, where n = 1,2,3,...32 is the dialer's directory index of telephone numbers and p is the actual telephone number (including optional escape codes of up to 60 digits). Example: Telephone Number **02** in the directory is 555-1212. The command to enter this number is `0**102 5551212**`.
- The Dialer will respond, "Telephone number zero two is 5551212."

7. Configure Channel Type

- Enter the command ****cc20n**, where **cc** is the I/O channel and **n** is the I/O type to be programmed

n	Setting	Meaning
0	SPARE	No Type Selected
1	Digital Input Normally Open	Contact closure Normally Open
2	Digital Input Normally Closed	Contact closure Normally Closed
3	Digital Output	Digital Output that is user definable to be Open or Closed
4	Analog Output (00.0 - 99.9%)	Analog Output that is user definable to be at some setting
5	Analog Input (00.0 - 99.9%)	Current Percentage of an input value
6	Local Alarm Output	Digital Output that Closes when there is a local alarm
8	Follow Channel Output	Digital Output that Closes depending on the followed channel's state (see below)

NOTE: This command defaults all the information for a channel. Make sure this is the first command performed on a channel.

8. Review Channel Input/Output Values

- Once a channel's type has been configured (see 7 above), this channel can now report its current status condition. Enter the command ***cc0*** to review the programmed channels status conditions, where **cc** is the channel number 1 to 41. This is an easy way to tell that the dialer is connected properly to the external devices. Example: Enter ***010*** to review channel 1's current status condition.

9. Assign Telephone Numbers to Individual Channels.

- Enter ****cc4tt***, where **cc** is the I/O channel and **tt** is the index number of the telephone number you wish to dial ($t = 1,2,3,\dots,32$). Example: If you want an alarm on channel 1 to call the telephone numbers 2 and 4 to report the error, enter the command ****0140204***. This will set this channel's calling list to be the numbers 02 and 04.

10. Configure the Inputs to Call On Alarm.

NOTE: The pre-configured inputs come from the factory disabled preventing nuisance telephone calls.

- Enter the command, ****cc82***, where **cc** is the input channel number on the Dialer. Example: Enter ****0382*** to arm input channel number 3 to call on alarm.
- The Dialer will respond, "Channel zero three alarm setup is two, call on alarm."

- Repeat procedure for the next alarm and corresponding I/O channel. Channel 9, the internal power fail alarm, can also be configured to call on alarm.

11. Record System and Alarm Voice Messages (Optional)

System ID Voice Message

- Press 0**01* to record up to a six second system voice message. The dialer will respond “Ready”.
- Speak your message clearly into the handset. You may trim the message by pressing any touch tone button.
- Verify your message by pressing 0*01* to listen.

Individual Alarm Messages

- Press **cc1* to record an alarm message for a specific I/O channel. (cc = 01 to 41 for the I/O channel of interest). The dialer will respond “Ready”.
- Speak your message clearly into the handset. You may trim the message by pressing any touch tone button.
- Verify your message by pressing *cc1* to listen.
- Repeat procedure for the next I/O channel and message.

NOTE: The Dialer will use its internal, digitized voice and vocabulary for alarm reporting if you do not record these messages.

12. Test Call Out

Force a test call to one of the telephone numbers you entered after configuring your Dialer. Enter 0**57nn*, where n = 01-32, is the directory index of the telephone number.

After the dialer responds, the dialer will wait for you to hang up the phone before calling the number you specified.

13. Verify Configuration Data is Saved in the Dialer.

Turn OFF the Dialer’s power switch, wait a few seconds, then turn it ON again. The red Power/Fault light should pulse with a 95% duty cycle indicating the new configuration data has been saved in memory.

Many more features are available with the *Series 1000EX* Dialer. Read the *Operations* and *Advanced Topics* chapters for more information on configuring the dialer for your specific application.

Note for MicroWIN Users: If the Series 1000 Dialer is to be called via a **MicroWIN System**, the dialer will need to put into **Data Answer Mode**. Enter the command **0**581***. To return to **Voice Answer Mode**, enter the command **0**580*** (See **Connecting to the Dialer via Modem** in the **Advanced Operations** section).