

TS351-MDX Hotline Telephone

PROGRAMMING & INSTALLATION MANUAL

MODEL

TS351-MDX

REVISION

1.10

LINE TYPE

Standard Analog

Installation

The TS351-MDX only works on standard analog telephone lines. Do not install the telephone on digital-type telephone systems. The TS351-MDX is telephone-line powered and has non-volatile memory, so it will not lose its program when unplugged from the telephone line.

Program Register Quick Reference

Reg.	Description	Valid Entries	Default
01	Hotline dial number	1234567890*, #1, #2	empty
11	Pulse digit handler	0–3	0
12	Off-hook dial delay (ms)	1–3000	750
13	Restrict calls	0–1	0
14	DTMF on time (ms)	50–500	100
15	DTMF off time (ms)	50–500	100
16	On-hook timing (ms)	150–1000	800
17	Off-hook timing (ms)	100–2000	100
70	Program password	12345678908*, #1	#0*
88	Restore default settings	—	—
99	Exit programming	—	—

Getting Started

Things you will need to program the phone

Before programming the telephone you will need to have another telephone with a keypad to program the TS351-MDX.

Programming steps

- 1 Plug the telephone into the wall jack and make sure the handset is hung up.
- 2 Take the other telephone with the keypad and call the line the TS351-MDX is connected to.
- 3 When the TS351 rings, answer it and leave the handset off hook.

- Using the other telephone with the keypad, dial #0* — you will hear one beep. You are now in program mode and can enter any valid program register. If you enter the password incorrectly, repeat steps 2 and 3. To exit program mode, dial 99, wait for the beep, and hang up. Four beeps at any time means a program entry was incorrect.

Programming semantics

When programming the telephone, use the following semantics — first you must be in program mode (see “Programming steps” above).

- Dial the register number — you will hear 1 beep.
- Dial the program data.
- Dial ## to save the register entry — you will hear 2 beeps.

01 beep 12086391595 ## beep beep – programs the hotline dial number with 12086391595

NOTE: Special character entries for dial-out registers — #1 = # · #2 = 500 ms pause. Register 01 accepts both special characters.

Register Reference

Register 01 — Hotline Dial Number

When this register is programmed with a number, the telephone will dial it automatically when the handset is taken off hook.

Scenario: You want the telephone to dial 208-639-1595 when the phone goes off hook.

- 01 beep
- 2086391595
- ## beep beep

Scenario: You want to remove the hotline number you just entered.

- 01 beep
- ## beep beep

Register 11 — Pulse Digit Handler

Tells the telephone how to handle pulse digits when received.

Valid Entries:

0 = Process normally

1 = Ignore

2 = Restrict

3 = Dial out again as DTMF

Scenario: *You want to use the telephone as a pulse-to-tone convertor.*

1. 11 beep
2. 3
3. ## beep beep

Register 12 — Off-Hook Dial Delay (ms)

Used with the Hotline dial feature. Determines the delay from when the phone goes off hook to when it dials the hotline number.

Scenario: *You want the telephone to delay 2000 ms (2 seconds) before dialing the hotline number.*

1. 12 beep
2. 2000
3. ## beep beep

Register 13 — Call Restrict Mode

Instructs the telephone to restrict all outgoing calls.

Valid Entries:

0 = Allow outgoing calls

1 = Restrict outgoing calls

Scenario: *You want the telephone to restrict all calls.*

1. 13 beep
2. 1
3. ## beep beep

Register 14 — DTMF On Time (ms)

Sets the duration of the DTMF tone for each digit the telephone dials.

Scenario: *You want the DTMF tone on-time to be 50 ms.*

1. 14 beep
2. 50
3. ## beep beep

Register 15 — DTMF Off Time (ms)

Sets the duration of the silence period between each DTMF tone the telephone dials.

Scenario: *You want the DTMF tone off-time to be 50 ms.*

1. 15 beep
2. 50
3. ## beep beep

Register 16 — On-Hook Timing (ms)

When the receiver is placed on hook, the telephone waits this amount of time before resetting for a new call.

Scenario: *You want the on-hook time to be 1000 ms (1 second).*

1. 16 beep
2. 1000
3. ## beep beep

Register 17 — Off-Hook Timing (ms)

When the receiver is lifted off hook, the telephone waits this amount of time before acknowledging a valid off-hook.

Scenario: *You want the off-hook time to be 100 ms.*

1. 17 beep
2. 100
3. ## beep beep

Register 70 — Program Password

Change the default program password.

Scenario: *You want to change the password to 5*78*.*

1. 70 beep
2. 5*78*
3. ## beep beep

Register 88 — Restore Default Settings

Reloads the telephone's default settings. **Important:** after entering 88##, wait for the 2 confirmation beeps — do not hang up before hearing them, or the telephone database may be corrupted.

1. 88 beep
2. ## beep beep

Register 99 — Exit Programming

Dialing this register exits programming mode. No ## is needed.