DVR1 Digital Voice Recorder

Operation Manual (V1.0)

Feature and Functions:

- Omni directional and high sensible built-in microphone.
- Real-time clock and calendar.
- Daily alarm.
- 199 messages in "OGM" mode and 20 messages in "To Do" mode.
- Key hold : prevents accidental operation when not in use.
- Two compressibility selectable.
- Playback volume selectable : 0-10. The level of 10 means the volume is maximum.
- Automatic gain adjustable (ALC).
- Voice-Active-Recording (VOX), prevents unnecessary recording when there is no sound, it will maximize the recording time.
- Auto-Off : power turn off automatically when stop use for 10 minutes.
- Battery indicator : displays remaining battery capacity.
- Fast forward, fast rewind, pause, repeat play, scan play.
- Indication new message and the time of message in OGM mode, 20 messages of schedule in To Do mode. Informs possible recording time.
- Selectively delete / All delete messages, protect message of schedule when All delete in To Do Mode.
- External input – output jack enable to record or play from external appliances.
- Interface to personal computer by serial port of RS-232
- Upload, download, delete the message and manage it conveniently. Setting clock and alarm by your personal computer.
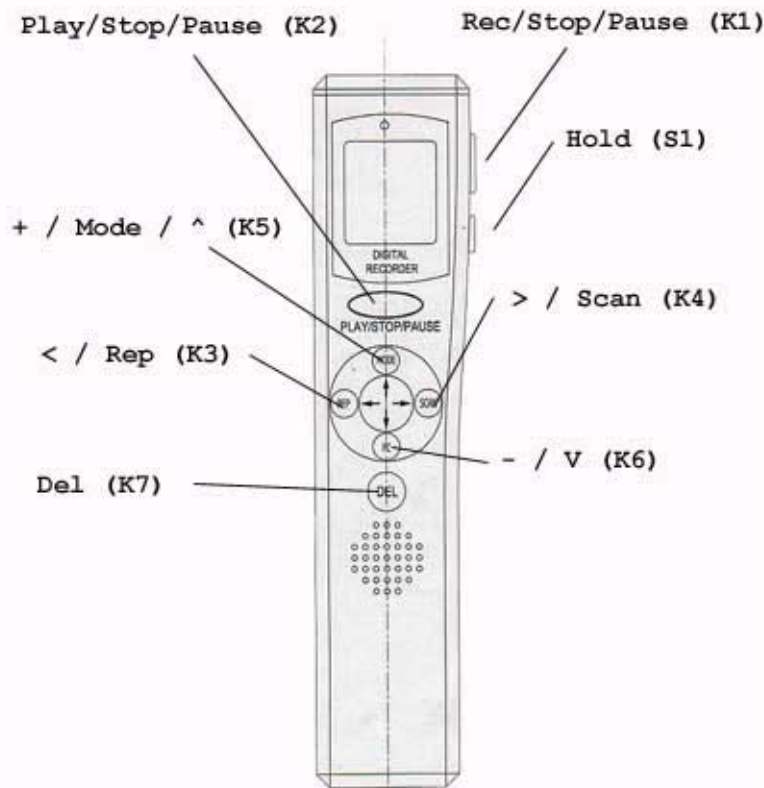
Batteries :

Use two "AAA" Batteries.
In record : 50mA, Stand by : 60uA, Play : 50-80 mA; Please change batteries when indicate the low power display.

Keys :

There are 7 keys and 1 switch :

Mode

There are 3 modes : OGM, TO DO and TIME. Press K3 (</Rep) or K4 (>/Scan) for less than 2 seconds to select when it is stop. It will back to OGM Mode automatically if no operation in other mode in 30 seconds (except when playing or recording). The button will hold if you set the S1 (Hold) switch to HOLD or no operation in 10 minutes. You can press K5 (+/Mode/^) for more than 3 seconds or set the switch S1 (Hold) to HOLD and back to release. In process of play and record, it will get in Power Off Mode after stop. Otherwise it will get into Power Off Mode immediately.

(1) OGM mode :

It will display the number of OGM messages and the remainder time of recording. It will display the hour and minute at the same time if the remainder less than 1 hour. Otherwise

the hour and minute will display 2 seconds in order. The OGM on LCD will blink if there has new message.

1. Mode Change :
   Press K4 (>/Scan) to enter Time Mode. Press K3 (</Rep) to enter To Do Mode.

2. Recording Mode :
   Press K1 (Rec/Stop /Pause) to enter Recording Mode. The indicated LED is light. It will display the "●" and the recording time. If there is no voice in 8 seconds at first, it will quit Recording Mode to avoid accidental operation.
   a. Press K2 (Play/Stop/Pause) for more than 1 second to PAUSE. If no key pressed in 30 minutes, it will quit Pause mode. And it will release PAUSE Mode and continue to record if press it again. It will display "FULL" if 199 messages are fully recorded or the maximum recording time is reached, recording is no more possible.
   b. Press K1 (Rec/Stop/pause) to stop record and release Record Mode. It will display the remainder time.

3. Look-up :
   a. Press K5 (+/Mode/^) or K6 (-/v) for less than 2 seconds, it will display the time of recorded messages. In this time you can use the function of Look-up.
   b. Press K5 (+/Mode/^) or K6 (-/v) for less than 1 second, you can loop-up the messages in order, it will display the number of current message and the time of the message recorded. The OGM will blink if the message is new.

4. Play Mode :
   Press K2 (Play/Stop/Pause) to play back the current message. It will display the time of the message played. You can get higher quality if use the earphone.
   a. Press K2 (Play/Stop/Pause) for more than 1 second to enter PAUSE Mode, the PAUSE on the LCD will blink. If no key pressed in 30 seconds, It will quit Play Mode, It will release pause function and playback will resume if press it again.
   b. Press K3 (</Rep) for more than 1 second and not release

to enter Fast Rewind Mode, it will release Fast Rewind Mode and resume playback if release the key or arrived the start of the current message.

c. Press K4 (>/Scan) for more than 1 second and not release to enter Fast Forward Mode, it will release Fast Forward Mode and resume playback when release the key. It will quit Play Mode if the current message is over.

d. Press K3 (</Rep) for less than 1 second to playback the prior message up to the first if it have playback less than 2 seconds during play period, otherwise, it will set it as the start-point of Repeat, if you press it again after some time before its end, it will set it as the end-point. It will play back the message between the start-point and the end-point repeatedly. Press K2 (Play/Stop/Pause) to release repeat and play back the message after the end-point continuously.

e. Press K4 (>/Scan) for less than 1 second to playback the next message up to the last recorded message.

f. Press K7 (Del) to enter the Delete Mode. The "dEL" on the LCD will blink, the current message will erase if you press it again in 5 seconds. Or continue to play back if pressed K2 (Play/Stop/Pause).

g. Press K1 (Rec/Stop/Pause) for less than 1 second to stop play back.

h. Press K5 (+/Mode/^) or K6 (-/v) to set the volume. It will display the data of selected volume on LCD 0.5 seconds and back to the normal display. The value is from 0-10.

5. Quick Play Mode :

Press K4 (>/Scan) for more than 2 seconds, the message number will increase from the current message to the former with each message played back for 2 seconds. It will display "SCAN".

a. If you press K3 (</Rep) or K4 (>/Scan) during scan play, playing back will resume continuously from the selected message number.

b. Press K5 (+/Mode/^) you can stop it.

6. All Play Mode :
   Press K1 (Rec/Stop/Pause) for more than 2 seconds, it will
   play back all the message from the current to former. The
   operation is same as Play Mode.

7. Repeat Mode :
   Press K3 (</Rep) for more than 2 seconds, it will play the
   current message repeat. The operation is same as Play Mode.

8. All Delete Mode :
   Press K7 (Del) for more than 2 seconds to enter All Delete
   Mode. "dEL" on the LCD will blink. It will erase all
   messages if you press it for more than 2 seconds again.
   It can't stop after beginning, so you must be very careful
   to use it.

9. Setting the compressibility :
   a. Press K5 (+/Mode/^) for more than 2 seconds to enter
      the setting. The "LP" will blink.
   b. Press K3 (</Rep) or (>/Scan) to select. "LP" means Long
      Play Mode. "SP" means Standard Mode, it has higher sound
      quality. The default is "LP".
   c. Press K5 (+/Mode/^) for more than 2 seconds to confirm
      and quit.

   Warning: Don't remove the batteries during recording or
   deleting period because it may damage the unit.

(2) TO DO Mode :

   It will display the number of messages and informs possible
   recording time. The Operations in TO DO Mode are same as
   the operation in OGM Mode, except that it will not indicate
   the new message and you can't set the compressibility. And
   you can set 20 messages of schedules.

1. Mode Change :
   Press K3 (</Rep)or K4 (>/Scan) for less than 2 seconds to
   select Time Mode or OGM Mode.
2. Select message
   Press K5 (+/Mode/^) or K6 (-/v) to select the message number.

The number of message will display.
3. Schedule Setting :
Press K5 (+/Mode/^) for more than 2 seconds to enter
Schedule Setting Mode.
   a. Press K3 (</Rep) or K4 (>/Scan) to select the setting
      of month, date, hour or minute.
   b. Press K5 (+/Mode/^) or K6 (-/v) to select the data, the
      data will increase or decrease continuously if hold.
   c. Press K5 (+/Mode/^) for more than 2 seconds to confirm
      and quit. It will enable automatic. The "BELL" on LCD
      will display. You can change it after setting. The
      Process is same as setting.
4. Schedule Cancel:
Select the message and press K7 (Del) less than 2 seconds
you can disable it. The "BELL" on LCD will display or not
means it is enable or disable.

This function will disable when it has executed once. You can
reset it if you want. When the time arrived, it will happen
4 "Bi", and later it will play back the message you selected.

(3) TIME Mode :

It will display the week, and display the clock, date and
year in order. Every will display 2 seconds. The "BELL" on
LCD means the alarm feature is enable. The "H" means hour,
the first "M" means month, "D" means date, "S" means second,
the second "M" means minute.

1. Mode change :
Press K3 (</Rep) or K4 (>/Scan) for less than 2 seconds
to select OGM Mode or To Do Mode.
2. Setting the clock :
   a. Press K5 (+/Mode/^) for more than 2 seconds to set time.
      The "TIME" on LCD will blink.
   b. Press K5 (+/Mode/^) will enter the setting mode. The
      data of year on LCD will blink.
   c. Press K3 (</Rep) or K4 (>/Scan) to select the setting
      of year, month, date, hour or minute.
   d. Press K5 (+/Mode/^) or K6 (-/v) to select the data. The
      data will increase or decrease continuously if hold.

  e. Press K5 (+/Mode/^) for more than 2 seconds to confirm
   and quit.

   The week will change automatically.

3. Setting the alarm time :
 a. Press K5 (+/Mode/^) for more than 2 seconds to set time.
  The "TIME" on LCD will blink.
 b. Press K3 (</Rep) to set the alarm time, the "BELL" on
  LCD will blink. It will display the data of year on LCD.
  Press K5 (+/Mode/^) to set the hour of alarm time.
 c. Press K3 (</Rep) or K4 (>/Scan) to select the setting
  of hour or minute.
 d. Press K5 (+/Mode/^) or K6 (-/v) to select the data. The
  data will increase or decrease continuously if hold.
 e. Press K5 (+/Mode/^) for more than 2 seconds to confirm
  and quit, the alarm function will enable automatically.

  When the time arrived, it will happen 2 "Bi" every second
  in 30 seconds except any key pressed.

4. Press K7 (Del) in setting alarm time mode to disable the
 alarm function and quit.

Connection to external appliance

Play back into external appliance by connecting audio cable
(option).

Connect to personal computer

Connect the PC-Link cable to the serial port of the PC. When it
is not in process of play or record, you can press K6 (-/v) for
more than 2 seconds to link the PC. The "PC-" on LCD will blink.
Then you can read, write or control it by the PC. The operations
in detail you can read the User Manual on PC. Set the switch S1

(Hold) to HOLD you can disconnect it.

Operation On Personal Computer

Insert the floppy disk attacked into your PC and copy all the files to your PC. All files must in the same directory. Connect your DVR to you PC first. Run the PC-Link software, Press K6 (-/v) on the DVR for more than 2 seconds to link the PC. The "PC-" on LCD will blink. Then you can read, write or control by the PC.

1. Click "Connect" on the menu to connect the PC and the Digital Voice Recorder. The "PC" on the LCD of the DVR will not blink if success.
2. Select the Digital Recorder Info of the OGM or the TODO. There are 3 list of "Digital Recorder Info in Detail", "Compress Info" and "Record Info".
3. Select a message in "Digital Recorder Info" and click "Export" to output the select message in DVR to PC. It will save in the directory in default if not selected.
4. Select a file in "Compress Info" and click "Import" to input the selected file of message (*.32, *.128, *.48) to the DVR.
5. Select a file in "Compress Info" and click "Decompress" to decompress the select file of message. It will decompress the selected file to *.wav automatically.
6. Select a file in "Record Info" and click "Compress" to compress it, you must select the compressibility at the same time.
7. Click "Play" to play the selected message in the list of the "Record Info".
8. Click "Setsysclock" on the menu to transfer the clock of the PC to the DVR.
9. Select a file or message and click "Delete" to delete. Be very carefully because it can't resume!
10.   Select the "ToDo Mode", you can set the time of schedules or disable it, the alarm time can set as "MM-DD HH:MM".
11.   Click "schedule" to set the alarm time of the message schedule.
12.   Click "Disable" to reset the alarm time of the message of schedule.

Please restart if the connection is fail. And make sure the cable connects properly and firmly between both ends. Click "HELP" on the menu bar for more details.