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Digital Recorder - Instructional Guide

Warning: The Chino AH4000 comes equipped with a SD card reader, which can be used to save charts in digital format, or save or load settings. Follow instructions on the recorder on how to insert the SD card. Removing the SD improperly will cause data corruption. Please take care.

To insert the SD card

1. Insert the card with the label facing down
2. When the SD card is inserted the **Card** status LED will flash while an error check is preformed
3. After the test, the LED will stay solid green and it is safe to use the card

To remove the SD card

4. Press **MENU**
5. Using the arrow keys, highlight **SD**
CARD
6. Press **ENTER**
7. Using the arrow keys, highlight **Remove**
8. Press **ENTER**
9. Press **FUNC1**
10. The SD card is now safe to remove

To start recording paper chart

1. Press **REC**
2. It will ask, "Start Recording?"
3. Press **ENTER**

To start recording to SD card

1. Ensure that SD is inserted
2. Press **REC**
3. Press **FUNC1**
4. Press **ENTER**
5. Data is now being written to the SD card

Display Options

There are several display options

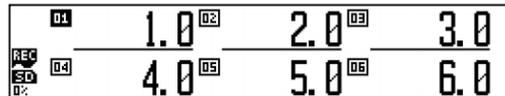
- **01CH** – Displays single channel on screen



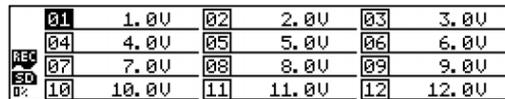
- **01CH + BAR** – Displays single channel on screen with info bar



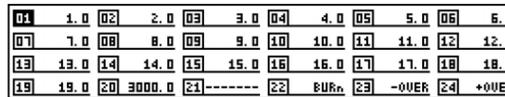
- **06CH** – Displays six channels on screen



- **12CH** – Displays twelve channels on screen



- **24CH** – Displays twenty-four channels on screen



To change display

1. Press **MENU**
2. Using the arrow keys, highlight **Display**
3. Press **ENTER** to enter Display settings
4. Using the arrow keys, highlight **Display Mode**
5. Press **ENTER** to change setting
6. Using the arrow keys, change to desired setting
7. Press **ENTER** to set change
8. Using the arrow keys, highlight **Set**
9. Press **ENTER** to save changes

Auto/Constant display setting

Auto display changes the displayed channel or group of channels automatically.

Constant display will lock the current channel or group of channels to the display

To switch between auto and constant

1. Ensure you are on the main view screen
2. Press **FUNC1** to cycle between the two settings
 - a. If changing from constant to auto an "A" will be displayed on the left
 - b. If changing from auto to constant the "A" will be hidden

To remove a channel

Removing a channel from the AH4000 has changed from the AH3000. Instead of removing the channel, you now just stop the recording for that certain channel. Follow these instructions.

1. Press **MENU**
2. Using the arrow keys, highlight **Range**
3. Press **ENTER** to enter Range settings
4. Select the channel to remove and press **ENTER**
5. Using the arrow keys, highlight **Rec**
6. Press **ENTER** to change setting
7. Press down to change to **OFF**

8. Press **ENTER** to set change
9. Using the arrow keys, highlight **DIGI REC**
10. Press **ENTER** to change setting
11. Press down to change to **OFF**
12. Press **ENTER** to set change
13. Using the arrow keys, highlight **SD-CARD. REC**
14. Press **ENTER** to change setting
15. Press down to change to **OFF**
16. Press **ENTER** to set change
17. Using the arrow keys, highlight **Set**
18. Press **ENTER** to save changes

To add a channel

The opposite of removing a channel, adding a channel is just turning recording for that channel back on. Follow these instructions.

1. Press **MENU**
2. Using the arrow keys, highlight **Range**
3. Press **ENTER** to enter Range settings
4. Select the channel to add and press **ENTER**
5. Using the arrow keys, highlight **Rec**
6. Press **ENTER** to change setting
7. Press down to change to **ON**

8. Press **ENTER** to set change
9. Using the arrow keys, highlight **DIGI REC**
10. Press **ENTER** to change setting
11. Press down to change to **ON**
12. Press **ENTER** to set change
13. Using the arrow keys, highlight **SD-CARD. REC**
14. Press **ENTER** to change setting
15. Press down to change to **ON**
16. Press **ENTER** to set change
17. Using the arrow keys, highlight **Set**
18. Press **ENTER** to save changes

Copy channel settings

Copying channel settings can save time. It works by taking the data from the source channel and copying it to the first destination channel. By entering a second destination channel, the data will be copied to all channels in between.

1. Press **MENU**
2. Using the arrow keys, highlight **Range**
3. Press **ENTER** to enter Range settings
4. Press **FUNC2** to enter copy menu
5. Using the arrows and **ENTER** tick all settings needed to be copied
6. Using the arrow keys highlight, **Src. CH**
7. Press **ENTER** to change setting
8. Using the arrow keys, enter the source channel number (the channel

the settings will be copied from) i.e. 01

9. Press **ENTER** to set change
10. Using the arrow keys, highlight the first **Dest. CH** box
11. Press **ENTER** to change setting
12. Using the arrow keys, enter the first channel to be copied to (the channel the settings will be copied to) i.e. 02
13. Press **ENTER** to set change
14. Using the arrow keys, highlight the second **Dest. CH** box
15. Press **ENTER** to change setting
16. Using the arrow keys, enter the second channel to be copied to (the channel the settings will be copied to) i.e. 12
17. Press **ENTER** to set change
18. Using the arrow keys, highlight **Copy**
19. Press **ENTER** to copy

Digital Recording Settings

The Chino AH4000 recorder supports recording data directly to a SD card in addition to the analog recording. It can recorder both digitally and analog at the same time or separately. The type of digital recorder must be set in order to properly process the data afterwards.

1. Press **MENU**
2. Using the arrow keys, highlight **SD CARD**
3. Press **ENTER** to enter SD Card menu
4. Press **ENTER** to enter SD Card settings
5. Highlight **Format**
6. Press **ENTER** to change setting
 - Set to **BINARY** for use with the Chino Report Maker or Excel
 - Set to **TEXT** to only use with Excel
7. Press **ENTER** to set the change