

Application Note

Data Logging

ViewStream™ 100 (VS-100)

Version V1.0

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Overview

This application note defines how to utilize the Data Logging capabilities of the M3-100 controller. The feature is supported on the following models:

M3-100 P/N 4168900-6x or above
ViewStream™ 100 P/N 5868900-40

The Data Logging feature writes a “.txt” file to the removable Compact Flash memory containing a cumulative log of events that lists the date, time and the specific MPEG track that was played. Since the MPEG files will have been played as a result of user interaction with a touch screen, a membrane button or a motion sensor, the log provides the capability to analyse the usage pattern of the equipment.

The resultant log file can be read from the CF card and the data imported into Excel or a similar spread sheet as a comma delimited file. Data can then be sorted by the MPEG file name to compile how many times each track has been played, at what time and on what day.

The log file may be read manually by removing the CF and placing it into a suitable CF reader. By connecting a computer to the controller’s USB port, the CF card is seen as a drive and the content of the log file may be read directly and then erased.

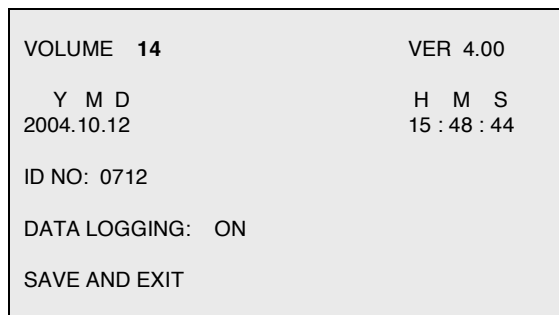
To aid in collection log data from multiple ViewStream™ 100/M3-100 devices, each one can be programmed with a unique 4 character identifier.

Programming the Features

All of the programmable features of the ViewStream™ 100/M3-100 are controlled through the button port. Depending on the configuration of the product, this may be a touch screen, a set of buttons or in some cases a temporary set of buttons connected to CN6 only for the purpose of configuration.

The program mode is entered by holding down button #8 during power on and the following menu will appear.

Configuration Mode Menu:



Once the menu is displayed, the following button sequences provide selection of the various features:

- Holding button 8 + power up : Config. Mode enable
- Press button 8 : Feature Select
- Press button 7 : Increment Value
- Press button 6 : Decrement Value

The following parameters may be selected:

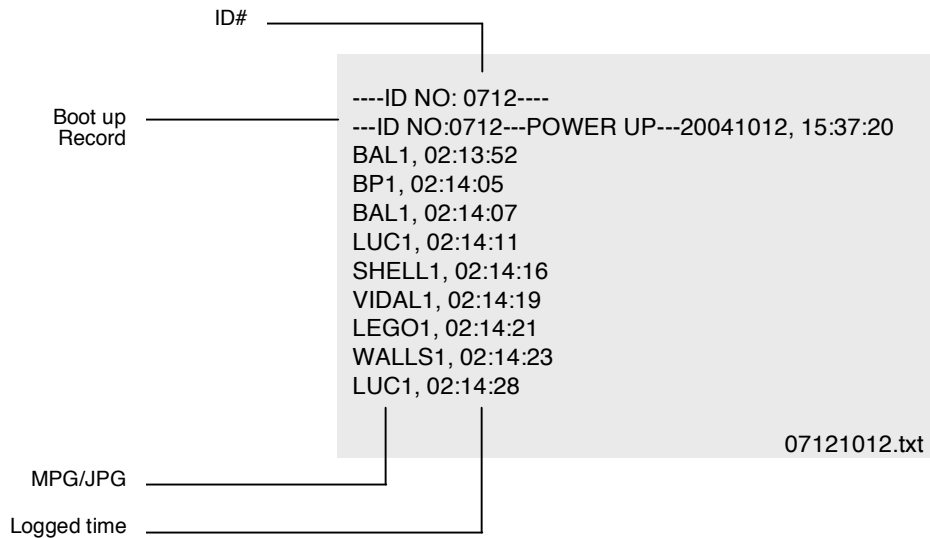
- Volume Select from 0 through 16 for speaker volume
- Ver. Indicates the firmware version number
- Y, M, D Select for the current date
- H, M, S Select for the current time
- ID No. Program for a 4 digit identifier unique to this product
- Data Logging Select On or Off
- Save and Exit Select to exit to normal operations

Data Logging Example

The Data logging file is written to the CF card as a file called “xxxxMMDD”.txt

Where xxxx = The four digit unique identifier of this player (ID)
 MM = Month
 DD = Day

The .txt file contains the data of each button’s “activities”. All data kept in this file are in daily basis.



CAUTION

Whilst care has been taken to provide as much detail as possible for use of this product it cannot be relied upon as an exhaustive source of information. This product is for use by suitably qualified persons who understand the nature of the work they are doing and are able to take suitable precautions and design and produce a product that is safe and meets regulatory requirements.

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Specifications subject to change without notice

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