

Canon imageRUNNER Hard Disk Drive Initialization Technology

What Security Measures Should be utilized at End of Lease or Reallocation of an imageRUNNER Device?

The latest hard disk drive enabled imageRUNNER devices come standard with the feature, Hard Disk Drive “Initialize all Data/Settings” [see supported imageRUNNER list on the following page]. This feature can be selected by end users and/or service technicians to securely overwrite all data from the user partition of an imageRUNNER Hard Drive before removing the device from the customer location. The Hard Disk Drive “Initialize all Data/Settings” feature can assist customers in complying with their internal corporate



policies which may require the overwriting of sensitive data prior to equipment removal. This feature does not require the optional HDD Data Erase Kit, which provides continuous overwriting of the hard drive for enhanced security.

The following procedure, which is standard on the latest imageRUNNER devices, provides for a single overwrite of the user data partition with null data. When equipped with an optional Security or HDD Data Erase kit, the imageRUNNER permits the administrator to set the number of overwrites to up to three times with random data within service mode. The procedure will not only delete file location information from the system directory, but also overwrite actual image data on a bit by bit level to make file recovery extremely difficult. The HDD “Initialize all Data/Settings” procedure will be initiated by selecting the “Initialize All Data/Settings” option within the System-Settings menu found under Additional Functions. The data that this procedure overwrites includes contacts from the address book, documents in Mail Box, and all other pertinent data and settings [see list below for exact items overwritten from user partition]. The only sector of image data that will remain following the procedure will be the default operating system stored on a partition separate from the user partition.

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The “Initialize All Data/Settings” procedure will overwrite partitions of the hard disk that contain the following information stored on the device:

- Traces of previously deleted image data from Copy, Print, Scan Jobs
- Data stored in inboxes
- Address Book data
- Scan settings registered for the Sending function
- Mode Memory settings registered for the Copy or Mail Box function
- MEAP applications and Licenses
- Data saved from MEAP applications
- The password for MEAP SMS login services reverts back to the default
- Registered SDL (Simple Device Login) user authentication information
- User authentication information registered in the local device authentication system of SSO (Single Sign-on)
- Unsent documents (Reserved documents and documents set with the Delayed Send Mode)
- Job History
- Additional Function settings
- Image forms registered for the Form Composition mode
- Registered forwarding settings
- Key pair and server Certificate settings registered in Certificate Settings in TCP/IP Settings

This procedure may be performed only under the password protected System Manager login. A detailed set of instructions is provided below to assist the customer and/or service technician in activating the HDD “Initialize all Data/Settings” procedure.

HDD “Initialize All Data/Settings” is supported by the following Devices:

iR 105+ /9070/ 8070/ 6570/ 5570/ 5070/ 4570/ 3570/ 2870/ 2270

iR 7105/ 7095/ 7086/ 5075/ 5065/ 5055/ 5050/3245/3235/3230/3225/3045/ 3035/ 3030/ 3025

iR C5068/ C5058/ C6870U/ C5870U/ C3170U/ C3170i

CiR C5185/ C5180/ C4580/ C4080/ C3480/ C3380/ C3080/ C2880/ C2550/ imagePRESS C1

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Additional Information on Data and Settings Backup

Back up any necessary data before initiating the “Initialize All Data/Settings” procedure on the machine.

You can back up the following data:

- Address Book, Additional Functions Settings, Forwarding Settings, and User Inbox Document Data
(For information on exporting this data, see the *Remote UI Guide*.)
- License files for MEAP applications (For information on downloading license files, see the *MEAP SMS Administrator Guide*.)
- User authentication information registered in SDL (Simple Device Login)
- User authentication information registered in the Local Device Authentication System of SSO (Single Sign-On)
(For information on exporting authentication information, see the *MEAP SMS Administrator Guide*.)
- Settings which can be sent using the Device Information Delivery mode (Can only be backed up if you have another imageRUNNER machine with the Device Information Delivery mode. It is not necessary to back up this data if you want to use the data already registered in the other imageRUNNER machine. For more information on the Device Information Delivery mode, see the *Device Product Reference Guide*.)
- Data saved from MEAP applications Depending on the MEAP application, you may be able to back up this data. For more information, see the *MEAP SMS Administrator Guide*.)

The below outlines the procedures to properly perform an “Initialize All Data/ Settings” on an imageRUNNER device:

Procedure to Initialize All Data/Settings

(WARNING: DATA WILL BE ERASED. Before using the 'Initialize All Data/Settings' feature, make sure that the data you are erasing is no longer necessary or is backed up. Canon will not be liable for any damages resulting from the loss of data. This procedure will not erase documents or data stored outside of the imageRUNNER hard disk drive.)

1. On the imageRUNNER Device (see above for supported devices), press the **Additional Functions** key, then, select the **System Settings** button (if assigned, you will need to enter the administrator password to access this menu); then select **Initialize All Data/ Settings**. (The default overwrite setting is once with null data. If an optional security kit is installed, the administrator can set the number of overwrites to up to three times with random data within service mode prior to performing the procedure.) When prompted to confirm if you want to proceed with this procedure, press **YES**. (It may take up to 30 minutes to initialize the hard disk and overwrite the user partition)
2. After the Hard Disk is initialized, press the main power switch to **OFF**.