

# EWB Cotton Client Interface Manual

## Communications

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## **COMMUNICATIONS**

### **Ftp Server Transfers:**

EWR, Inc. has an FTP (File Transfer Protocol) Server which can be used for transferring files between the user and EWR, Inc. Each user must log onto the server with a unique User ID and password in order to transfer files to EWR and to access files from EWR. In addition, SFTP (Secure FTP) is available to ensure maximum security.

The web address of the EWR, Inc. FTP site is: <ftp.ewrinc.net>

On FTP system, "Holder" mailboxes are established where the FTP files are stored. (Sending and Receiving). Each "Holder" who has signed a contract with EWR, Inc. selects a unique code number to be used as their holder ID or number. The first digit of the code is an alpha character used to designate the segment of the Cotton Industry the Holder is in, e.g., G = Gin, W = Warehouse, B = Bank, P = Producer, Z = Cooperative and M = Merchants.

### **Sending files to EWR:**

Files, either compressed or not compressed, may be sent to the FTP server directory /UPLOAD. The compression method, if used, should be PKZIP compatible (version 2.04 or higher). The file name can consist of upper or lower case letters, digits, and some special characters (underscore, hyphen, and a period). The file name CANNOT contain spaces. After the file is successfully transferred to the FTP server, it is decompressed and decrypted, if necessary, and then passed to the Transmission Validate and Parse routine.

## Retrieving files from EWR:

Uncompressed files may be retrieved from the FTP directory /DOWNLOAD/NOTZIP for specific holder. Compressed files may be retrieved from the FTP directory /DOWNLOAD/ZIP. After the file is successfully downloaded, it will automatically be removed from the FTP site. File names follow this pattern: HSB.B.NNNN.YYYYMMDD.HHMMSS.UUUUUU.dat or .zip, where:

H	H holder
S	Type of file: D=detail, A=Acknowledgment, E=Error, S=Summary
BB	2-digit batch type
NNNN	Batch number
YYYYMMDD	Date
HHMMSS	Time
UUUUUU	Unique number

Example:

HD21.0333.20020515.152019.041254.DAT for uncompressed  
HD21.0333.20020515.152019.041254.ZIP for compressed (zip)

## Transmission File Header and Trailer

Each transmission to the EWR host must contain a transmission header and a transmission trailer. Within the header are the location ID and location password.

The user may send as many batches as desired within a single transmission file. It is strongly recommended that individual batch sizes be limited to 10,000 records. Batches which exceed this record limit may not process completely.

The transmission trailer is optional, but if supplied, then it will be verified, and if there are any errors, then the holder will be notified with a warning acknowledgment.

Please note that the record count in the transmission trailer is equal to the count of all records in the transmission file, including the transmission header and transmission trailer.

**TRANSMISSION HEADER LAYOUT****Record Size = 120**

Field	Field Name	Type	Size	Pos	Required	Description/Requirements
1	Record Type	A	1	1	Yes	B=Beginning File Record
2	Location ID	N	6	2-7	No	Location ID assigned by EWR, 6 numbers
3	Transmission Number	N	6	8-13	No	Transmission control number - User-defined
4	Location Password	AN	8	14-21	No	Password of Location ID, 8 characters case sensitive
5	Date	N	8	22-29	Yes	MMDDYYYY data file was created
6	Time	N	6	30-35	Yes	HHMMSS time file was created
7	Version		5	37-40	No	Vendor Software version
8	Vendor		20	41-60	No	Vendor of Software sending transmission file
9	Filler	A	60	61-120		Reserved for EWR, Inc. use

**TRANSMISSION TRAILER LAYOUT****Record Size = 120**

Field	Field Name	Type	Size	Pos	Required	Description/Requirements
1	Record Type	A	1	1	Yes	E=Ending File Record
2	Location ID	N	6	2-7	No	Must match file header location
3	Transmission Number	N	6	8-13	No	Must match file header transmission
4	Record Count	N	6	14-19	Yes	Count of all records in the transmission file, not including transmission header and transmission trailer.
5	Filler	A	101	20-120		Reserved for EWR, Inc. use