EZRoute 509 or 513 Byte Record Format

Field Name	Imp Use	Exp Use	Size	Offset	Type	Assigned By	Must Contain From Utility Billing Host	Description
1. Route	**Req**	Req	10	1-10	A/N	UB	Route ID	Route Identifier, Numbers and/or capitalized letters only, no spaces or symbols
2. Walk Sequence	Opt	Opt	4	11-14	N	UB, EZ	Stored Walk Sequence number from billing system, **blank**, or 0000	Re-sequenced walk order: if the re-sequence function in Equinox)MR is used, the export file will contain different data than the import file.
3. Page Number	**Req**	Req	4	15-18	N	UB	4 digit page #, 0001-9999	Original walk order. Each address/account **MUST** have a **UNIQUE** page number
4. Read Sequence	**Req**	Req	2	19-20	N	UB	2 digit seq #, 00-99 **Must not be blank!**	Default is 00. For accounts with same page number (eg. More than 1 meter at same address, compound meters, etc.), use 01, 02, 03 … Used to differentiate between meters with the same page number
5. Hand-held ID	Opt	Req	6	21-26	N	EZ	6 spaces	Hand-held ID # used for reading. Use 6 character IDs in the "Handheld" table, ie ESxxxx
6. Read Direction	**Req**	Req	1	27	A/N	UB	L or R or C	Input cursor direction for manually entered reads
7. Number of Dials	**Req**	Req	1	28	A/N	UB	1, 2, 3, 4, 5, 6, 7, 8, 9, **Must not be blank!**	Number of meter digits to be entered
8. ID Expected	**Req**	Opt	13	29-41	A/N	UB	Serial # or ID #	Meter serial number or R900 ID number
9. ID Captured	Opt	Opt	13	42-54	A/N	HH	13 spaces	ID number recorded by reader
10. ID Override	Opt	Opt	13	55-67	A/N	HH	13 spaces	Initial uncorrected automatic ID number
11. Decimal Location	**Req**	Req	1	68	N	UB	0, 1, 3, 4, 5, 6, 7, 8, 9 **Must not be blank!**	Number of decimals in meter reading field, 0 for water accounts
12. Meter Reading	Opt	Req	10	69-78	A/N	HH	10 spaces	Meter reading (may be truncated by AdjustR900 function)
13. Reading Override	Opt	Opt	10	79-88	A/N	HH	10 spaces	Initial uncorrected Auto Reading
14. High Reading Limit	**Req**	Req	10	89-98	N	UB	Max read value **Must not be blank!**	Highest anticipated reading # of digits entered must match # of dials
15. Low Reading Limit	**Req**	Req	10	99-108	N	UB	Min read value **Must not be blank!**	Lowest anticipated reading # of digits entered must match # of dials
16. Date to Read	Opt	Opt	6	109-114	A/N	UB	Date mmddyy	Date to read the account
17. Date to Export	Opt	Opt	6	115-120	A/N	UB	Date mmddyy	Date to export the account
18. Notes	Opt	Opt	8	121-128	N	HH	8 spaces	Coded notes from reader
19. Location Code	Opt	Opt	2	129-130	A/N	UB	2 character code	Location code abbreviation
20. Meter reader Code	Opt	Opt	2	131-132	A/N	HH	2 spaces	Meter reader ID. Use 2 character IDs in the "Reader IDs" table.
21. Record Type	**Req**	Req	2	133-134	A/N	UB	**EU**, ER, EX, MX, EH, EF, **Must not be blank!**	Operation status of account, used for trouble shooting in EZRoute
22. Record Status	**Req**	Req	1	135	A/N	UB	A, Z, M	Z = R900, M = Manual, A = Advantage or Pocket ProRead, blank = Advantage or Pocket ProRead
23. Date	Opt	Req	6	136-141	A/N	HH	6 spaces	Date reading was captured, mmddyy
24. Time	Opt	Req	6	142-147	A/N	HH	6 spaces	Time reading was captured, hhmmss, 24 hour clock
25. Type of Reading	Opt	Req	1	148	A/N	HH	1 space	Reading Classification, A = Advantage, R = R900, N = Coded Note, M = Manual, O = Override, E = Ecoder, P = Integrated Probe
Field Name	Imp	Exp	Size	Offset	Type	Assigned	Must Contain From Utility Billing Host	Description

	Use	Use				By		
26. Network Number	Opt	Opt	2	149-150	A/N	RG	2 spaces	Network # from ProRead meter
27. Read Attempts	Opt	Req	1	151	A/N	HH	1 space	Number of read attempts at account
28. User Characters	Opt	Opt	7	152-158	A/N	RG	7 spaces	User character from ProRead meter
29. Manufacturer	Opt	Opt	1	159	A	RG	1 space	Meter manufacturer (ProRead)
30. Active/Inactive	**Req**	Req	1	160	A/N	UB	A or I	Active or Inactive status of account
31. Type of Meter	Opt	Opt	1	161	A/N	HH	1 space	Type of Meter W = Water, G = Gas, E = Electric
32. Read Fail Code	Opt	Req	1	162	A/N	HH	1 space	Failure type
33. Prev Reading	Opt	Opt	10	163-172	A/N	UB	A/N	Previous Reading
34. Prev Reading Date	Opt	Opt	6	173-178	A/N	UB	A/N	Date of Previous Reading
35. Display 1 Line1	**Req**	Opt	24	179-202	A/N	UB	Service address	1st line of hand-held display
36. Display 1 Line2	Req	Opt	24	203-226	A/N	UB	Remote location	2nd line of hand-held display
37. Display 1 Line3	Req	Opt	24	227-250	A/N	UB	More location	3rd line of hand-held display
38. Display 1 Line4	Req	Opt	24	251-274	A/N	UB	Other account info	4th line of hand-held display
39. Display 2 Line1	Opt	Opt	24	275-298	A/N	UB	Other account info	1st line of free notes hand-held display
40. Display 2 Line2	Opt	Opt	24	299-322	A/N	UB	Other account info	2nd line of free notes hand-held display
41. Display 2 Line3	Opt	Opt	24	323-346	A/N	UB	Other account info	3rd line of free notes hand-held display
42. Display 2 Line4	Opt	Opt	24	347-370	A/N	UB	Other account info	4th line of free notes hand-held display
43. Display 2 Line5	Opt	Opt	24	371-394	A/N	UB	Other account info	5th line of free notes hand-held display
44. Display 2 Line6	Opt	Opt	24	395-418	A/N	UB	Other account info	6th line of free notes hand-held display
45. Display 2 Line7	Opt	Opt	24	419-442	A/N	UB	Other account info	7th line of free notes hand-held display
46. Display 2 Line8	Opt	Opt	24	443-466	A/N	UB	Other account info	8th line of free notes hand-held display
47. Display 2 Op. Code	Opt	Opt	1	467	A/N	UB	1 space	Reserved for future use
48. Utility Field	Opt	Opt	40	468-507	A/N	UB	Account#, etc.	Any utility information
49. Consecutive Days with Zero Consumption	Opt	Opt	1	508	A/N	RG	1 space	Code for number of consecutive days without consumption in the last 35 days
50. Reverse Flow Event	Opt	Opt	1	509	A/N	RG	1 space	Code for reverse flow event for last 35 days
51. Days of Leaks	Opt	Opt	1	510	A/N	RG	1 space	Code for number of days a leak was indicated in the last 35 days
52. Leak Status	Opt	Opt	1	511	A/N	RG	1 space	Code for number of 15-minute intervals showing consumption in the last 24 hours.
53. Carriage Return	**Req**	Req	1	512	A/N	xfer s/w	ASCII OD Hex	Record Terminator
54. Line Feed	**Req**	Req	1	513	A/N	xfer s/w	ASCII OA Hex	Record Terminator

Field Name: What the field is called in the EZRoute System.
Imp Use: Field is Required or Optional in Import File.
Exp Use: Field is Required or Optional in Export File.
Byte Size: Length of the field.
Offset: Position of the field in the record.

Type: Field is A-alpha, N-numeric or A/N=alphanumeric.
Assigned By: Who the assigns the data in the field.
UB = Utility Billing, HH = Handheld, RG = Register, EZ = EZRouteMAPS
Must Contain: Valid field values.
Description: Field definition.

*Equinox-MR also supports the EZRoute 509 byte record format. The rules above, except for fields 49 – 52, still apply.

For a 509 byte file, omit fields 49, 50, 51 and 52.