



DATA CONNECTION DRIVER OCP-LAYER 2.XX

ORILINK®
MONITORING SYSTEM

MANUAL

KERRIDGE DMS SYSTEM

23 472



1. Introduction	3
2. Demands for using this connection	3
3. Installation	3
3.1. PREPARE ORILINK®	3
3.2. IF YOU GOT THE DRIVER AS A .ZIP FILE (BY MAIL OR DOWNLOAD).	3
3.3. IF YOU GOT THE DRIVER AS A SET OF FILES (ON CD OR USB STICK)	3
3.4. APPLY THE KERRIDGE DRIVER FILES	3
4. Configure for the newer Kerridge API	4
4.1. WIP VALIDATION FILE	4
4.2. TRANSACTION RECORD FILES	4
4.3. FILE LOCATION	4
4.4. CONFIGURE THE ORILINK® SYSTEM	4
4.4.1. <i>Hose reels</i>	4
4.4.2. <i>The Sphere number (SphereNo)</i>	4
4.4.3. <i>KeyPad Sphere number (SphereNo)</i>	5
4.5. CONFIGURE THE KERRIDGE DRIVER	5
4.5.1. <i>The C:\Orilink\CSL_EKP.csl file.</i>	5
4.5.2. <i>The C:\Orilink\Keridge.ini fil</i>	5
5. Configure for the older Kerridge API	7
5.1. WIP VALIDATION FILE	7
5.2. TRANSACTION FILES	7
5.3. FILE LOCATION	7
5.4. CONFIGURE THE ORILINK® SYSTEM.	7
5.4.1. <i>Hose reels</i>	7
5.4.2. <i>The Sphere number (SphereNo)</i>	7
5.4.3. <i>KeyPad Sphere number (SphereNo)</i>	8
5.5. CONFIGURE THE KERRIDGE DRIVER	8
5.5.1. <i>The C:\Orilink\CSL_EKP.csl file.</i>	8
5.5.2. <i>The C:\Orilink\Keridge.ini file</i>	8
6. The newer Kerridge/Autoline connection files	10
6.1. WHAT IS IN THE “COMPANYID_VALIDJOBS.CSV” FILE	10
6.2. WHAT IS IN A “COMPANYID_FLUIDTRANSACTION_DDMMYYYY_TRANSNo.CSV” FILE	10
7. The older Kerridge/Autoline connection files	10
7.1. WHAT IS IN THE “JOBVERIFY.TXT” FILE	10
7.2. WHAT IS IN A “TRANSOUT_XXX.TRN” FILE	11
8. Multiple Kerridge connections "Franchise"	12
8.1. HOW TO INTEGRATE WITH MORE THAN ONE KERRIDGE SYSTEM	12

1. Introduction

This manual describes how to set up a data connection between the OriLink® monitoring system and the Kerridge/Autoline DMS system using our OCP-Layer 2.XX Kerridge driver.

The scoop for this connection is to handle three main things.

1. Validate that a Work order / Job number input on the OriLink® keypad exists in the Kerridge system and is valid for the dispensing fluids.
2. Handling the input logistic demands of the Kerridge DMS system.
3. Store transactions (dispenses) made in a way so that the Kerridge/Autoline daemon can import the transaction record to the work order and use it for invoicing, stock handling and statistics.

There are two slightly different interface API's on the Kerridge/Autoline side.

A newer more advanced one described by the ADP API document “964 - Record description Generic Fluid Dispenser File Format.pdf” and an older one described by the document “Kerridge_Old_API.pdf

2. Demands for using this connection

To use this connection the following are needed,

1. A Kerridge DMS system set-up to handle an Alentec & Orion communication. A Kerridge representative does this. Version 8 or above with Kerridge UK part number SW/AO-SFD installed. For information about this an configuration of it contact your Kerridge/Autoline account manager.
2. An OriLink® Monitoring system running OriLink® WinTools Professional (23414). Delivered by Alentec & Orion AB or a representative. Recommended is OriLink® WinTools R10, not necessary.
3. The OCP-Layer 2.XX driver pack for Kerridge, Alentec & Orion AB part number 23472, for the wanted Kerridge/Autoline API, delivered by Alentec & Orion AB or a representative.
4. An OriLink® “License.dat” file validated for OriLink® WinTools Professional and Kerridge driver use.

3. Installation

A fully operational OriLink® system is the base and not described in this manual.

3.1. Prepare OriLink®

When installing OriLink® it comes with a basic Preset script set. To not get a mixed-up script set the first thing to do is

Erase all existing .csl files from the C:\Orilink\CSL folder. VERY IMPORTANT !

Erase the install default Preset.ini file from the C:\Orilink folder

3.2. If you got the driver as a .ZIP file (By Mail or download).

Create an install folder on the C: drive, for example “C:\Syspatch\OriLink\Kerridge driver”

Unzip the Kerridge vXXXRCY.zip” file to this folder.

3.3. If you got the driver as a set of files (On CD or USB stick)

Browse to the Kerridge folder on the ?:\Kerridge vXXXXZY.

3.4. Apply the Kerridge driver files

Copy all .csl files from the Kerridge driver file set to the C:\Orilink\CSL folder.

Copy the Kerridge.ini file from the Kerridge driver file set to the C:\Orilink folder.

4. Configure for the newer Kerridge API

This API is based on .csv files. To use this API an OriLink® Kerridge driver of version 2xx must be used.

4.1. WIP validation file

This file contains active WIP's with parameters of the WIP's and is named

“*CompanyID_ValidJobs.csv*”

It is created and maintained by the Kerridge/Autoline daemon.

4.2. Transaction record files

A transaction record file, one for each made dispense, contain dispense result data. They are named

“*CompanyID_FluidTransaction_DDMMYYYY_TransactionNumber.csv*”

They are created by OriLink® as soon as a dispense point is closed and imported by Kerridge/Autoline daemon.

4.3. File location

The by Kerridge/Autoline technicians most common location of these files is

C:\Fluiddispenser\BranchID\

4.4. Configure the OriLink® system

Use the Kerridge driver pack version 1.10RC1 or later. To configure the Kerridge functionality and connection both hardware and a software set-up is needed.

4.4.1. Hose reels

Right-click on a reel and select “Properties” and give the reel the number you want it to have, 1-253.

The LED address should be set to the one that should show the dispense.

4.4.2. The Sphere number (SphereNo)

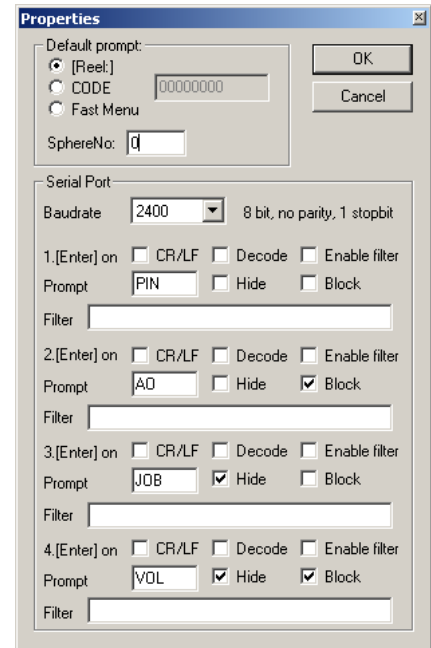
Right-Click on a reel and select “Host Properties” Set the Sphere number to something else than 0 or 255. For Kerridge the default software setting for SphereNo is 2.

4.4.3. Keypad Sphere number (SphereNo)

To make it possible to launch the Kerridge connection and the Kerridge input logistics the keypad has to be in another sphere than the reel (MPDM). By default the Sphere number of the reels is set to 2 so the keypad(s) must be set to some other sphere recommended is 0.

Left-click the keypad graphics and select properties.

Set the “Sphere No” to 0.



4.5. Configure the Kerridge driver

The set-up for the Kerridge driver is done in two files.

4.5.1. The C:\Orilink\CSL_EKP.csl file.

The file name stands for “Event Key Pad script” and it is triggered by a keypad input.

Defining which reels of the system that should integrate with Kerridge/Autoline is done in the “_EKP.csl” file by the row

“if((InputStrg >=1) && (InputStrg <= 4))”

Install default is reels 1, 2, 3 and 4.

Since the “_EKP.csl” is loaded into memory the system has to be restarted to make changes active.

4.5.2. The C:\Orilink\Keridge.ini file

The Kerridge.ini file is used to set-up the different parameters needed for the communication to work. Inside there is also a manual for this. The set-up part of the Kerridge.ini file looks like this.

```
[Log]
FileName=C:\Orilink\Logs\Kerridge.log
MaxLines=100
Flags=
[System]
ReelSphere=2
TankValidation=1
CheckMvStatus=1
ShowIniFileSettings=0
ShowGreetings=0
KpErrorMessages=1
KpErrorMessagesTime=20
KpOkMessages=0
KpOkMessagesTime=10
KpQuitMessagesTime=2

[Logistics]
Company=CompanyID
Branch=BranchID
WoEmgHandling=STD
RegNo=1
ProductNo=P
VerifyReel=0
Mileage=0
Litres=1
VolumeAlter=1

[JobValidation]
FilePath=C:\Fluidispenser\
FileName=CompanyID_ValidJobs.csv
Emergency1=9999
EmergencyVol1=
Emergency2=8888
EmergencyVol2=

[ForwardTransaction]
Enable=1
Validation=0
```

AllowZeroTransaction=0
Headers=1
UseWipTransNo=1
DateFormat=1
FilePath=C:\Fluiddispenser
FilePrefix=_FluidTransaction_
FileSuffix=.csv

The things that needs to be changed is

[Logistics]

It should be changed to match the information given by a Kerridge representative.

Company=CompanyID
Branch=BranchID

and

[JobValidation]

It should be changed to match the information given by a Kerridge representative, see 6.1.1 above.

FileName=CompanyID_ValidJobs.csv
Emergency1=9999
EmergencyVol1=
Emergency2=8888
EmergencyVol2=

Emergency(n)/EmergencyVol(n) is used to set-up a number of emergency codes that can be used if the job number does not exist. In combination of the emergency code a suggested volume could be set.

5. Configure for the older Kerridge API

This API is based on .txt files. To use this API an OriLink® Kerridge driver of version 1xx must be used.

5.1. WIP validation file

This file contains active WIP's and dispenses parameters of the WIP's and is named
“JOBVERIFY.txt”

It is created and maintained by the Kerridge/Autoline daemon.

5.2. Transaction files

A transaction record file, one for each made dispense, contain dispense result data. They are named
“TRANSOUT_TransactionNumber.TRN” or **“TRANSOUT_TransactionNumber.TXT”**

They are created by OriLink® as soon as a dispense point is closed and imported by Kerridge/Autoline daemon.

5.3. File location

The by Kerridge/Autoline technicians most common location of these files is

“C:\OMPC32\CompanyID\”

5.4. Configure the OriLink® system.

Use the Kerridge driver pack version 1.10RC1 or later. To configure the Kerridge functionality and connection both hardware and a software set-up is needed.

5.4.1. Hose reels

Right-click on a reel and select “Properties” and give the reel the number you want it to have, 1-253.

The LED address should be set to the one that should show the dispense.

5.4.2. The Sphere number (SphereNo)

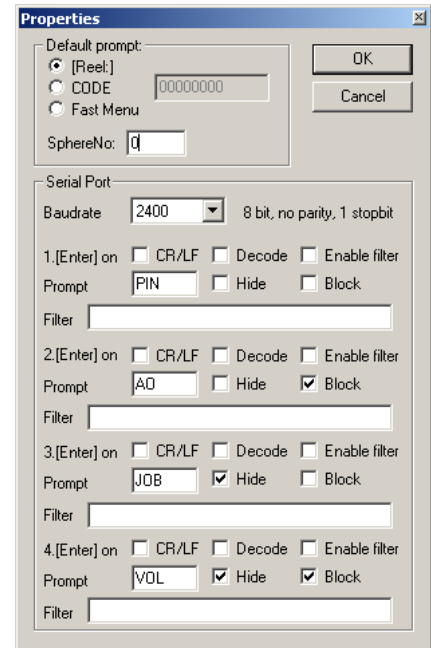
Right-Click on a reel and select “Host Properties” Set the Sphere number to something else than 0 or 255. For Kerridge the default software setting for SphereNo is 2.

5.4.3. Keypad Sphere number (SphereNo)

To make it possible to launch the Kerridge connection and the Kerridge input logistics the keypad has to be in another sphere than the reel (MPDM). By default the Sphere number of the reels is set to 2 so the keypad(s) must be set to some other sphere recommended is 0.

Left-click the keypad graphics and select properties.

Set the “Sphere No” to 0.



5.5. Configure the Kerridge driver

The set-up for the Kerridge driver is done in two files.

5.5.1. The C:\Orilink\CSL_EKP.csl file.

The file name stands for “Event Key Pad script” and it is triggered by a keypad input.

Defining which reels of the system that should integrate with Kerridge/Autoline is done in the “_EKP.csl” file by the row

“if((InputStrg >=1) && (InputStrg <= 4))”

Install default is reels 1, 2, 3 and 4.

Since the “_EKP.csl” is loaded into memory the system has to be restarted to make changes active.

5.5.2. The C:\Orilink\Keridge.ini file

The Kerridge.ini file is used to set-up the different parameters needed for the communication to work. Inside there is also a manual for this. The set-up part of the Kerridge.ini file looks like this.

```
[Log]
FileName=C:\Orilink\Logs\Kerridge.log
MaxLines=100
Flags=
[System]
ReelSphere=2
TankValidation=1
CheckMvStatus=1
ShowIniFileSettings=0
ShowGreetings=0
KpErrorMessages=1
KpErrorMessagesTime=20
KpOkMessages=0
KpOkMessagesTime=10
KpQuitMessagesTime=2

[Logistics]
WoEmgHandling=STD
Mileage=1
Litres=1
2-Lines=0

[Job]
File=C:\OMPC32\CompanyID\JOBVERIFY.txt
Emergency1=9999
EmergencyVol1=
Emergency2=8888
EmergencyVol2=

[ForwardTransaction]
Enable=1
Validation=0
AllowZeroTransaction=0FilePrefix="C:\OMPC32\CompanyID\TRANSOUT_"
FileSuffix=".trn"
Branch="CompanyID CompanyName"
```


The things that needs to be changed is

[Transaction]

It should be changed to match the information given by a Kerridge representative, see 6.1.1 above.

FilePrefix="C:\Some Folder\CompanyID\TRANSOUT_"

FileSuffix=".trn"

Branch="CompanyID CompanyName"

and

[Job]

It should be changed to match the information given by a Kerridge representative, see 6.1.1 above.

File=C:\Some Folder\CompanyID\JOBVERIFY.txt

Emergency1=9999

EmergencyVol1=

Emergency2=8888

EmergencyVol2=

Emergency(n)/EmergencyVol(n) is used to set-up a number of emergency codes that can be used if the job number does not exist. In combination of the emergency code a suggested volume could be set.

6. The newer Kerridge/Autoline connection files

6.1. What is in the “CompanyID_ValidJobs.csv” file

The “CompanyID_ValidJobs.csv” file contains information about live Kerridge Work order/ Job numbers. The file is maintained by the Kerridge system. Below is a sample of the file.

Company	WipNumber	LineNo	ProductNo	Quantity	RegistrationNo	ChassisNo
CompanyID	10237	0		0.00	ZH556765	WDB1681321K
CompanyID	10655	1	WS70056781	4.65	KH559865	TYG345623F
CompanyID	10655	2	WS70018791	2.50	KH559865	TYG345623F
CompanyID	10655	3	WS70063245	1.70	KH559865	TYG345623F
CompanyID	10987	1		0.00	NP434578	ZHB287569P
CompanyID	10453	0		0.0		
CompanyID						

The design of the file is one WIP/ Line number on each row. For each WIP, 5 parameters can be set.

All 5 parameters are not always there.

Depending on what parameters the Daemon puts in the file and how the OriLink® hardware system is designed different dispense logistics can be used.

6.2. What is in a “CompanyID_FluidTransaction_DDMMYYYY_TransNo.csv” file

A “CompanyID_FluidTransaction_DDMMYYYY_TransactionNumber.csv” file contains information about dispenses made in the OriLink® Monitoring system. The file is read in by the Kerridge system. Below is a sample transaction file, “CompanyID_FluidTransaction_07032021_1029111.csv”.

TransactionNo	Company	WipNo	LineNo	ProductNo	DispenserId	Quantity	TransactionDate	TransactionTime	TechnicianNo	TechnicianName	RegistrationNo	Mileage
1029111	CompanyID	10655	1	WS70056781	12	004.65	07/03/2021	17:39:03	12	Guest Starring	NJY628	

7. The older Kerridge/Autoline connection files

7.1. What is in the “JobVerify.txt” file

The ValidJobs.txt file contains information about live Kerridge Work order/ Job numbers. The file is maintained by the Kerridge system. Below is a sample of the file.

```
12345,Y234BRY,2.3
22222,R258MBC,4.9
11111,X598BBC,2.3
11112,,2.9
44444,YTX457R
```

The design of the file is one Work order/ Job number on each row. For each job three parameters can be set.

WWWWW,CCCCCCC,L.D

Were

WW	The Work order/ Job number
WW	
W	
CCC	Registration number of the
CCC	vehicle
C	
L.D	Suggested volume (Litre.
	Decilitre)

All three parameters are not always there.

OBSERVE! The use of the third parameter (Requested volume) works in OriLink® Kerridge/Autoline driver but has never been supported on the Kerridge/Autoline side.

7.2. What is in a “Transout_xxx.trn” file

A “Transout_xxx.trn”/ “Transout_xxx.txt” file contains information about dispenses made in the Orilink® Monitoring system. The file is read in by the Kerridge system. Below is a sample transaction file, “Transout_127321.txt”.

```
22222
127321
20/11/2004
13:23
MOOL53145
4.50
UserID Every Other
R258MBC
565689
85 United Cars LTD
```

Were

22222	=	The Work order/ Job number
127321	=	Transaction number, same as in the file name
20/11/2004	=	Dispense Date (DD/MM/YYYY)
13:23	=	Dispense Time (HH:MM)
MOOL53145	=	Fluid Part number
4.50	=	Dispensed volume (Litre. Decilitre)
UserID	=	Employee number
Every Other	=	Name of user
R258MBC	=	Registration number of the vehicle
565689	=	The mileage input on the Keypad
85	=	CompanyID
United Cars LTD	=	CompanyName (May not be needed)

The design of these parameters and the layout of the TRANSOUT_nnn file is controlled by the “!KerridgeFT.csl” script. The name and location is controlled by the “Kerridge.ini” file

8. Multiple Kerridge Connections “Franchise”

8.1. How to integrate with more than one Kerridge system

From version 100RC14X6 there is a function called Franchise built in to the OCP2 Kerridge driver. With this function it is possible to have multiple Kerridge.ini files. For the system to know which ini file to use, operator must type in a letter before reel. This letter is used to match the correct ini file.

Example:

Two different Kerridge Systems (A and B) are used for the same oil management system, two ini files are created **KerridgeA.ini** with all settings for the first Kerridge system and **KerridgeB.ini** with all settings for the second Kerridge system.

- When working with a workorder for Kerridge System A, operator types in A + the reel number in the keypad (A3 to open reel 3).
- **KerridgeA.ini** is used to find correct settings (file paths etc.)
- Operator types in workorder (10023) and Kerridge validate against correct Kerridge Verify text file, based on setting in **KerridgeA.ini**.
- If valid workorder, reel opens and **A** is placed before the work order number in the memory (**A10023**).
- When filling is done the FWT script starts and the Franchise letter (**A**) is fetched from first character in workorder number (**A10023**) to find the correct ini file (**KerridgeA.ini**).

OBS! It is not possible to handle work order numbers starting with a letter due to this function. If customer use letters before workorder number a modified version of Kerridge script must be used, where the Franchise function is removed.