



Cardol Data Systems, Inc. DeepEnd Point-of-Sale v.6.70.5 X-Charge Integration Guide

1. Install X-Charge Locked Integration v7.1 Release 5 or higher on the computer designated as the X-Charge Server computer. This is an XpressLink Secure EXE integration. The X-Charge Client Software is needed on all systems processing payments. X-Charge prints the signature receipt and must be setup accordingly.

A user must be set up with the same logon credentials defined in DeepEnd. The user must be allowed to perform the following functions in **X-Charge Client Options**: Credit Card – Purchase, Credit Card – Return, Credit Card – Debit Purchase, Credit Card – Debit Return, Credit Card – Force, Credit Card – Pre-Authorization, Credit Card – Void.

Note: The integration utilizes the Data Archive Vault feature in X-Charge. As such, it is imperative that the X-Charge database is backed up on a regular basis. If the X-Charge database is lost, all the archived credit card numbers will also be lost. Please make sure that the user is aware that the X-Charge database must be backed up.

XP:

C:\Documents and Settings\All Users\Application Data\CAM Commerce Solutions\X-Charge\History\Tran.xdb

Vista:

C:\ProgramData\CAM Commerce Solutions\X-Charge\History\Tran.xdb

2. Set up DeepEnd for X-Charge integration.

Note: Cardol Data Systems must issue a new license key to activate the X-Charge integration. If the integration does not work after enabling it in DeepEnd, please contact Cardol Data Systems for a new license key.





a. Select Tools, Options.



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b. On the Tender tab, set Processor to X-Charge. Set PreAuth option as determined by the merchant's needs. Enter the appropriate Merchant ID. The User ID and Password are used for the XpressLink integration and must match credentials created in the X-Charge Security. Swipe Credit Cards with should be set according to the merchant's devices. Use credit card data storage determines if X-Charge's Data Archive Vault feature is used.

🐣 Point-of-	-Sale Optior	ıs					x		
General	Tender	Printing	Layaways	Returns	Hardware	Workstation Clo	se		
Payme	nt Method								
Defau	It Payment	Method Deb	it Card	•					
	Automatically select the last payment method used by known customers Allow only 1 major payment method - Cash, Check, Credit Card or Debit								
	Check Num	iber must be e	entered for pa	ayments by C	heck				
	Gift Certifica	ate Number m	iust be enter	ed for payme	nts by Gift Cer	tificate			
Payme	nt Card Pro	cessing							
Proc	essor X-C	Charge		•	Use X-Cha configure	rge Program to software and			
Pre	Auth Fu	II Payment Am	iount	•	hardwa	ire settings.			
	if t	ooth Credit Ca	rd and Debit	Card are se	lected as Payr	ment Method			
Merch	ant ID		Swipe	Credit Cards	with Pin Pa	d Device 🔻			
U	ser ID		Det	oit Cards are S	wiped with Pin	Pad Device ONLY			
Pas	sword		Use cre	dit card data	storage in 📘	o Not Use 📃 🔻			
					PC	OS Only			
ОК					Se	ervice Only OS & Service			
					D	o Not Use			

c. Select Save and OK to exit Point-of-Sale Options.





- 3. Process a test transaction.
 - a. Select POS, Sale.



b. Enter a customer and an item on the ticket.

d Point-of-Sale		ur to ut a	1 50			
Workstation PUS Accounts Receiva	able Reports Took	s <u>wi</u> ndow <u>H</u> eip <u>U</u>	оокир н2			
Point of Sale Entry Jo	an Smith					
Customer (FC	3) SMIT0001	Joan Smith			Date: Wednesday Feb	ruary 25, 2009
Addres	s 1212 12th Ave			s	tation: 1	Memo Shift + E10
	Regis, CA, 527	'01		Ca	shier: MANAGER	Shire TTO
Account Lim	it 1,000.00	Account Bal:	ance 337.4	4 Scan or	Type the Item Code or	Press ≪2>
Invert Qty Ctrl+Del Pr	oduct	Set Item Type F5	Auto Moc	e 🔲 Hor	-Taxabla F9	
1.00					0.00 0.0	
Qty Item Code		Description			Price Net %Disc.	Ext. Price Tx
						Ŧ
Auto Mode F11	Open Drawer Ctrl-D	Hold Sale F6	Price Override F7	Layaway Sale Shift + F12	SubTotal State Tax	2.85 0.21
Cancel Sale (Esc)	New Sale F4	Resume Sale Shift + F6	Disc. Override F8	Process Sale F12	Total	3.06





c. Select **Process Sale F12**. Select **Credit Card** and the amount is automatically populated by the total amount.

DeepEnd Point-of- File Edit Workstation	-Sale n <u>P</u> OS <u>A</u> ccounts Rec	vable <u>R</u> eports <u>T</u> ools <u>Wi</u> ndow <u>H</u> elp	_ <i>B</i> ×
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	Custome	F3) SMIT0001 Joan Smith	Date: Wednesday February 25, 2009
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		F6 🗖 Gift Certificate	
		F7 🗖 VIP Points	
		F8 Coupons	
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		Tendered 3 3.05 Press F12 to P	rocess this Payment
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	Cancel Sale	New Sale Resume Sale Disc. Override Process Sale	
	(ESC)	ro riz	Total 3.06

d. If DeepEnd is configured to store credit card numbers, user is given the option to save the credit card prior to processing the transaction.

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Daist of Eda Eston - Abus Wilcon	
Customer (F3) WILS0001 Alex Wilson Date: Wednesday February 25, 2009	
Payment Method for Testing with X-Charge	
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Lindial creat card basis is NUT scored on your own computer system. It is recommended that you ask the customer for their consent before saving the credit card information.	
Do you wish to save the credit card information ?	
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Cancel Sale (Esc) New Sale F4 Resume Sale Shift * F6 Disc. Override F8 Process Sale F12 Total 3.06	
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e. X-Charge launches for processing.

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_	F9 🗌 Other	* CW2/CVC2 *Beneficit # 21811WFZW	
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F11	Change (Ca	Cancel 2.85 (Esc) 0.21	
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(Esc)	F4	Shift + F6 F8 F12 Total 3.06	

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f. Transaction processes.

DeepEnd Point-of-Sale File Edit Workstation POS Accounts Receivable Reports To	is Window Help	_ 8 ×
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Payment Method for	Ele Iransection Help	
Sale T	A Clear	
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1.00 HAY F5 🗖 Del	Processing X-Charge Transaction	
F6 🗌 Gift 🚃	Purchase	
F7 [VIP		
F8 Coupons		
F9 🔽 Other	Cancel	
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g. Transaction completes.

ation POS Accounts Receivable Rej	ports Iools <u>W</u> indow <u>H</u> elp				
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- 4. Notes.
 - a. Integration method is XpressLink Secure.
 - b. Integration supports:
 - 1) Credit Card Purchases, Returns and Voids.
 - 2) DB Purchases and Returns.
 - 3) Data Archive Vault Add, Delete and Update.
 - 4) US and Canadian processing.
 - 5) Partial Approval and Balance Printing on receipt.
 - c. X-Charge prints the signature receipt and must be configured accordingly.





d. Screen shots of a Debit Purchase (Canada).

DeepEnd Point-of-Sale Edit Workstation EOS Accounts Rec	eivable <u>R</u> eports <u>I</u> oo	ls <u>W</u> indow <u>H</u> elp Lo	ookup F2			
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	F6 Gift Certificate	
	F7 🗖 VIP Points	
	F8 🗖 Coupons	
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	Tendered 3.06 Press F12 to Process this Payment	
	Balance Due \$ 0.00	
Auto M F11	Change (Cash) \$ 0.00 Cash F10 Process Cancel (Esc)	2.85 0.21
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e. DeepEnd accepts multiple tenders. If paying with a Credit Card and a Debit Card, the Credit Card is pre-authorized first. If the Debit Card transaction is approved, then the Credit Card transaction is forced (Pre-Auth Completed). The Credit Card may be pre-authorized for the full amount of the ticket or just the Credit Card amount, depending on how Point-of-Sale Options is configured.





f. The integration is available in most POS options: Sale, Sales Return, Deposit, Deposit Refund, Void a Deposit, Customer Invoice Payment, Customer Payment History, Invoice History, Layaways-Customer Payment, Layaways-Void/Cancel a Layaway, Layaways – Layaway History.



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g. The Cardol.ini file has a setting that indicates if the installation is for Canada or US. The .ini setting is set during installation.

📕 Cardol.ini - Notepad 📃 🗖	IX
<u>File E</u> dit F <u>o</u> rmat <u>V</u> iew <u>H</u> elp	
[Paths] Database=C:\Cardol\Data\	*
[Config] Country=CA Location=0	
[QuickBooks] Link Component=1 Company File= Machine-Specific App Name= Connection Method= Posting Method=	< l





h. Data Archive Vault in Customer Account

Select File > Customers.

送 DeepEnd Point-of-Sale				
File Edit Workstation POS A	ccounts Receivable	Reports Tools	Help	
Customers				
Customer Payment Eistory				
Inventory Items				
Gift Certificates				
Other (Non-Inventory) Items				
Close QuickBooks Connection				
Logout User (Dudley Fault) E <u>x</u> it				

Select the Account tab, press Add Card.

送 Customers Susie Sheer			
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Price Charged on Sale: Discount Codi Payment Term Tax Codi	Retail L565 Motion ND01 Mail In-Store Sales Only Taxes for On-Site work arusing the Job Site Tax Code	Max. Account Balar Unpaid Invoices To Current Unused Depos Account Cre Net Account Balar e.	\$1,000.00 Cores NOT include tal \$0.00 sits \$0.00 edit \$0.00 Unpaid Involces MINUS Deposits MINUS Credit
Tax Exemption ID		Send Statements	by Email
Credit Card Data			Special Settings
Card Type M/C	Last 4 Digits Expiry 6781 1215	Add Card Update Expiry Delete Card	Do NotAccept Checks Account is SUSPENDED
Store Credit Card Da	ta Automatically at Payme	ent Entry	V.I.P. Points 152
<u>OK</u> Add L	Add Mode	Delete	Export





X-Charge opens for DAV Add. Swipe credit card or enter information manually.

😤 Customers Harry Vaderchi	
List General Account Purchases Service Phone Calls Water Tests Special Pricing	Custom Fields Documents
Price Charged on Sales R DeepEnd Point-of-Sale (Default)	0 6 6 Unshipped Sales Orders 0 Issue Credit 6 MINUS Deposits MINUS Credit
Tax Exemption ID Credit Card # -SWIPE CREDIT CARD - Credit Card Data Expiration (MMYY) Credit Card Data [F12] Process	
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QK Add C Add Mode Delete	Export

To update the expiration date, press Update Expiry and press Yes.

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X-Charge will open, enter the new expiration date and press (F12) Process.

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QK Add Add Mode Delete	Export





To delete a store credit card, press Delete Card and press Yes.

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		Tax Code	NJ01			Account	Credit	\$0.00) Issue Crea	lit
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	Card Type	Data	Last		Yes	<u>N</u> o			gs cept Checks	
					Upd:	ate Expiry ete Card	Г	Account is	SUSPENDED	
	Store Crec	lit Card Data	a Automatically	/ at Payme	nt Entry	•		V.I.P. Points	55437	7
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X-Charge will delete the stored credit card number.

😤 Customers Harry Vaderchi								
List General Account Purchases Service Phone Calls Water Tests	Special Pricing Custom Fields Documents							
Price Charged on Sales Retail	Ince \$1,000.00							
Discount Code L5G5 🙀 Unpaid Invoices T	otal \$5,124.06 < Does NOT Include Unshipped Sales Orders							
Payment Terms NET30 🆓 Current Unused Depo	sits \$0.00							
Tax Code NJ01 X-Charge - Processing	\$0.00 Issue Credit							
Tax Exemption ID	Action							
Card Type Last 4 [M/C 6781 Cancel	ot Accept Checks							
Store Credit Card Data Automatically at Payment Entry VI.P. Points 55437								
QK Add Add Mode Delete	Export							





i. Screen Shots of a Partial Approval

Upon receipt of a Partial Approval the user will receive a prompt detailing the approved amount as well as the additional funds required.

Point of Sale Entry	Anonymous						
Custome	r (F3) ZZZZZZZZ	Anonymous			Date:	Tuesday March 1	5, 2011
P	ayment Method					[Shift + F10
	Sale To	otal <mark>\$ 13</mark> .1	7				
AC	F2 🗌 Cash						
1.00	F3 Check						
Qty It	F4 🔽 Credit Ca	Please Note	Contract				Price Tx
1.00 444	F5 🗆 Debit	The payme	nt entered was only	partially approved.			12.31 T <u>^</u>
	F6 Gift Certifi	Approved Additional	Amount: \$5.3 Required: \$7.8	32 35			
	F7 VIP Points						
	F8 Coupons		OK				
	F9 Cother	10		D			_
	Tende	red <u>\$</u> 13.1	7 F	Press F12 to Proce	ess this P	ayment	
	Balance D	ue \$ 0.0	00			_	
F11	Change (Ca	sh) \$ 0.0	© Cash ∩ Acct. Cred	F10 it F11	Process F12	Cancel (Esc)	12.31 0.86
Cancel Sale (Esc)	New Sale F4	Resume Sale Shift + F6	Disc. Override F8	Process Sale F12		Total	13.17

Choose **OK** and choose a payment method to process multiple tenders. Then choose **Process**.

Point of Sale Entry	Anonymous					
Cus	Payment Method					23 1
	Sale To	tal \$ 13.1	7			Memo Shift + F10
Ac	F2 🗌 Cash					
Invert Qty Ct	F3 Check					
1.00	F4 🔽 Credit Card	\$ 7.8	35 🗆 Manual			
Qty It	F5 Debit					. Price Tx 12.31 T 🔺
1.00	F6 🗌 Gift Certific	ate				
	F7 TVIP Points					
	F8 Coupons					
	F9 Cother					
	CC Partial Approv	/al \$ 5.3	2 → M/C		▼ Void	
	Tender	ed \$ 7.8	15 P	ress F12 to Proce	ss this Payment	
	Balance D	ue \$ 0.0	0			-
Auto I F11	Change (Cas	h) \$ 0.0	Cash	F10 t F11	F12 Cancel (Esc)	12.31 0.86
Cancel Sale (Esc)	New Sale F4	Resume Sale Shift + F6	Disc. Override F8	Process Sale F12	Total	13.17





Enter CCard information and choose Process.

Point of Sale Entr	ry Anonymous		
Cus	Payment Method	DeepEnd Point-of-Sale (CardolDataSystems)	23 1
	6-1-	<u>File</u> <u>I</u> ransaction <u>H</u> elp	Memo Shift - Edo
	Sale		51111 + 10
Ac	F2 🗌 Cash	Receipt Clear	
Invert Qty Ct	F3 🗌 Check	Credit Card - Purchase	
1.00	F4 🔽 Credit		
Qty It	F5 🗌 Debit	Amount 7.85	Price Tx
1.00 444	F6 🗌 Gift (Credit Card # 400300000006781	12.31 1
	F7 🗆 VIP F	Expiration (MMYY) 1215	
		*ZIP Code	
		* Address	
	F9 Other	* CW2/CVC2	
	CC Partial App	* Receipt # 3670PWWQH	▼ Void
	Ten	* Clerk ID MANAGER	Payment
	Balanc	IE121 Prodles	
Auto I F11	Change ([112]11004(55	Cancel (Esc) 12.31 0.86
Cancel Sale	e New Sale	Credit card expiration date - MMYY format	
(ESC)	F4	51111 + F0 F8 F12	Total 13.17

Upon approval of the final tender DeepEnd will display a zero balance and print a receipt.

Point of Sale Entry Ar	onymous					
Customer (F	3) ZZZZZZZZ	Anonymous		D	ate: Tuesday March	15, 2011
Addres	Anonymous			Stat	ion: 1	Memo
					ier: MANAGER	5000 4710
Account Lir	nit 0.0	Account Bal	ance 0.	00		
Invert Qty Ctrl+Del P 1.00 Qty Item Code	roduct	Amount	Due:	13.1) 17 0.0 %Disc.	Ext. Price Tx
1.00 4444	⁰⁰ 4444 Total Paid:				17 0.0	12.31 T <u>–</u>
	C	hange	Due:	0.0	0	
				Close Wind (Enter)	low Seconds)	
						*
F11	Open Drawer Ctrl-D	Hold Sale F6	Price Override F7	Layaway Sale Shift + F12	SubTotal State Tax	12.31 0.86
Cancel Sale (Esc)	New Sale F4	Resume Sale Shift + F6	Disc. Override F8	Process Sale F12	Total	13.17





Ultimate Pool & Patio, Inc. 46 Main St. West Orange New Jersey, USA 07052 905-263-1161 Sold To: Anonymous		e Pool & Patio, Inc. St. ange sey, USA 07052 -1161	Receipt Invoice Number: 292 Invoice Date: 03/15/2011 Time: 12:00 PM Station: 1 Cashier: MANAGER			
Qty 1.00	Item Cod	e	Description PA Trigger	Price 12.31 EA	% Disc	Amount 12.31
				St	ıbTotal ate Tax	12.31 0.86
	\$7.85 \$5.32	Credit Card Credit Card	(VISA) (M/C)	Sa	e Total Paid	13.17 13.17
Memo:	This is a good place to put your Return/Exchange Policy. Any promotions or reminders can also be printed here.		Change	0.00		

j. Void of a Partial Approval

Upon receipt of a Partial Approval choose the payment that you wish to void from the drop down box. Then choose **Void**.

Point of Sale Entry	Anonymous						
Cuștom	Ier (E3) 77777777	Anonymous			Date: Tu	esday March 1	2011
	Payment Method						E3 Memo
	Sale To	tal \$ 13.1	17				Shift + F10
Ac	F2 Cash						
Invert Qty Ct	F3 Check						
1.00 Qty It	F4 🥅 Credit Card	i					Price Tx
1.00 444	F5 🕅 Debit						12.31 T 🔺
	F6 I Gift Certific	ate					
	F7 T VIP Points						
	F8 🗆 Coupons						
	F9 🔽 Other						
-	CC Partial Approv	/al <mark>\$</mark> 5.3				- Void	
	Tender	ed <u>\$</u> 0.0	0 VISA	6781	5.32	me amount.	
	Balance D	ue \$ 7.8	35		63		· ·
F11	Change (Cas	sh) \$ 0.0	Cash	F10 it F11	Process F12	Cancel (Esc)	12.31 0.86
Cancel Sale (Esc)	New Sale F4	Resume Sale Shift + F6	Disc. Override F8	Process S F12	ale	Total	13.17







Choose **OK** to void Partial Approval. Upon a successful Void transaction you will return to the Payment screen.

Point of Sale Entry	Anonymous						
Custon	Payment Method	Anonymous			Date: Tu	esdav March 15	2011 83 Memo
	Sale Tota	l \$ 13.1	17				Shift + F10
Ac	F2 🗆 Cash						
Invert Qty Ct	F3 Check						
1.00 Qty Iti	F4 🔽 Credit Card	Please Con	1		Price Tx		
1.00 444	F5 🗖 Debit		pid this partial approv	al ?			12.31 T 🔶
	F6 🕅 Gift Certificat	e 🛛 📥 _{C2}	Card Type: VISA				
	F7 🔽 VIP Points	Ca Ar	ard# ending with: nount: \$5.32	6781			
	F8 Coupons		Ok Cancel	1			
	F9 🔽 Other						
	CC Partial Approva	I S 5.				- Vovid	
	Tendere	d <mark>S</mark> 0.0	00 Please s	select a tender l	type and enter	the amount.	
	Balance Du	e \$ 7.8	85				12.24
F11	Change (Cash) \$ 0.0	00 Cash C Acct. Credi	F10 t F11	Process F12	Cancel (Esc)	0.86
Cancel Sale (Esc)	New Sale F4	Resume Sale Shift + F6	Disc. Override F8	Process Sa F12	le	Total	13.17







k. Balance printing on receipt.

	Ultimate Pool & Patio, Inc.	Receipt		
	46 Main St. West Orange	Invoice Number: 291		
	New Jersey, USA 07052	Invoice Date: 03/15/2011		
	905-263-1161	Time: 11:01 AM		
		Station: 1		
		Cashier: MANAGER		
To:				
Anonymous				

Qty	Item Code	Description	Price	% Disc	Amount
1.00	2222	Balance Trigger	12.32 EA	0.0	12.32
			Su	bTotal	12.32
			Sta	te Tax	0.86
			Sal	e Total	13.18
	\$13.18 Credit Ca	rd (M/C) Balance: \$6.43		Paid	13.18
Memo:	This is a good place to	put your Return/Exchange Policy.	c	hange	0.00

Any promotions or reminders can also be printed here.

Receipt# 3670NMABR 03/15/11 11:01:54 Hatch# 000016 Item# 00000000371 Card# XXXXXXXX6781 Keyed MasterCard Approval 113041 Purchase Total Amount \$13.18 Account Balance \$6.43

,

Signature

х____

Sold To:

BUYER AGREES TO PAY TOTAL AMOUNT ABOVE ACCORDING TO CARDHOLDER'S AGREEMENT WITH ISSUER