

Operating manual CCS-FX

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Content:

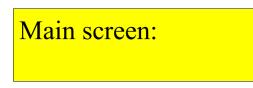
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Preface:

CCS-FX is a central management system for the administration and management of bowling lanes.

CCS-FX offers various possibilities for the organization of the prices and the individual tariff types. The lanes are automatically switched on and off and the game type as well as the players' names are sent directly to the individual lane computer. CCS-FX remotely controls the individual lanes: lane transfer, print out or correct the scores, reset the pins, turn the bumper on or off, etc.

In the development of this application, a great deal of importance was placed on making the application as user-friendly as possible. The learning and configuration should be as intuitive as possible by the user, therefore only individual topics are documented here.



The main screen displays the state of the individual lanes with all relevant data:

Einstellungen PRO	Management	4	()	08 Oktober 20 Mittwoch, 17	014 07 my new tarif © 0.87	tert © 1.0
(10) Bahn 1	Tarifzone	<u></u>	4	Frame 6	€ ⑦ 24.00	0 •
Bahn 2 08.10.14 1703	Tarifzone wy new tarif @ 0.87	4	4	Minuten 4	€ 15.50	¢
Bahn 3 08.10.14 17.08	Tarifzone	6	£ 0	Minuten 3	€ 3.50	¢
Bahn 4 08.10.14 17.04	Vorausbezahlt Try new tanii @ 0.87	3	€] ∘	18:04	€ 52.20	\$
Bahn 5 08.10.14 17.05	Tarifzone	5	~ î	Frames 13	€ 13.00	\$
Bahn 6		\$		Optika	Version: Simulation 🔇	

- 1: Actual date and time
- 2: Actual tariff zone (time tariff) and (frame tariff)
- 3: Indication, when the next lane scan is executed.
- 4: Number of players (from lane scan)
- 5: Number of shoes
- 6: Number of played frames(from lane scan)
- 7: Current invoice amount
- 8: Displays lane-specific options (print game, bumper, etc.)
- 9: Lane was prepaid, shows the time until when to play.
- 10: Open or close the lane

11: Displays the progress of the game: Changes the color and the color (from lane scan)

Pr

CCS	Einstellungen Management		13 Oktober 2014
PRO			Montag 13.12 Terrarative invite 9.12 Terrarati
1	Progra	mm (Einstellungen)	
2	Grundeinstellungen	uni (Enseeningen)	
	Sprache	DEUTSCH +	
3	Anzahl Bahnen	120 +	
4	Anzeigeformat: 1 oder 2 Bahnen pro Ze	eile 斗	•
5	Bahnenabfrage		
	Interval [Minuten]	.0.+	Interval [Sekunden] 📃 🚈
6			
7			
		120255	

The settings are protected by a password, by default this is: 1234

The lane scan: this determines the interval between a lane scan gets executed. In this scan, the number of players and the frames played, as well as the progress of the game, are collected for each lane. If a lane is billed to FRAMES, then the frames played from the scan are cleared with the current frame rate (at the time of the scan). This means that if the lanes are billed mainly for frames, the interval should not be too large. An optimum value is usually between 90-180 seconds.

PRO					rt 2014 13:32 Standard Law (pro Myrate # 1	
1						P
		Prog	gramm (Einstellu	ngen)		-
2	Rechnungseinstellungen					2
3	MWST	* Towing	* Schulte Schulte 015	♥ Shap Ø Shap 0.08		,
4	Währung	<u>x -</u>				7
	Betrag Rundungsart	MAIH,3 +				
5	Rechnungs Kopfzeile	EMS Roning www.onsbowing.com				
6	Rechnungs Fusszeile	Theolis for coming No. 6: 5400-5800 / Sar S	s 1250 3493			5
7						
8			spectrem & De	enden		
9						

VAT: CCS-FX can be configured with 3 different VAT rates. There are nations where bowling is exempt from VAT, but the rental shoe is taxed at 8%. The Proshop products are usually also subject to VAT.

The rounding type determines how the individual invoices are rounded:

MATH_5 means that mathematically is rounded to 0.05 (0.01 - 0.02 is rounded off, everything is rounded up)

MATH_10 means that mathematically is rounded to 0.10 (0.01 - 0.04 is rounded off, everything is rounded up).

NO: no rounding

PRO	Einstellungen	Management		13 Oktober 2014 Montag, 13:32	Stantial For Grout & La	Starker Torigon Parts 011	* tavasits
1							p
		Programm (Ei	nstellungen)				
2		Bahnen Öffnen & Schliessen					D)
		Schuhe Dialog anzeigen (Öffnen)	2				
3		Schuhe Dialog anzeigen (Schliessen)	2				
4		Spielernamen Vorschläge anzeigen	×				
5							
6							5
7		488					
8			rem & Beenden				
9						Long -	1.
							NOME.

Show name suggestions: When entering the players' names, the name is searched for and displayed in the background from a list of saved names. The suggestions can then be accepted by pressing the ENTER key without having to enter the complete name again. This facilitates and reduces the input of the players' names.

CCS	Einstellungen Management	13 Oktober 2014 Montag, 13:32 Danke Teilge Hinr, ©15 Stantal Teilge Hinr, ©15	
1			
	Programm (Einstellungen)		
2	Serieller Port		
	Maschinentyp		
3	Seilmaschinentyp SES	2	
4	Relais Maschine EIN/AUS		
5		e de la companya de l	
6		3	
7			
8	Speichern & Beenden		
9			
3			
10			
<u>a</u>		Uniter uniter uniter	

Serial port: Defines the serial port to which the communication bus is connected. Machine type: Defines the machine type of the bowling machine. When the lanes are parked (After the prepaid time or the prepaid games are exhausted, the CCS-FX sends the command to the machine to pull the pins (SES) or to stop the machine.

CCC Ein				
CCS Eir		13 Oktober 2014 Montag, 13:32	Sandre Terlan Sans Ø 11	
1	Programm (Einst	allungen)		
2	Ner			
	Neues Passwort:			
3	Neues Passwort (wiederholen):			2
4				
5				6
6				
7				
8		8. Beenden		
9				T
			-	

Define/Change the password



Time rates:

There are two basic units: by time or by frame. After frames means that in the lane scan, the frame counter from the lane computer is queried (and reset to 0). A frame counter is deliberately used, since it is not possible to define what a game is and how many frames a game is made of. A Bingo or Grand Prix game does not consist of 10 frames like an OPEN game. In addition, the players can change the game type, restart the game, etc. After this, a frame counter is used: 10 frames correspond to an OPEN game and 1 frame means 2 thrown balls (or 1 ball at a strike)

1				
2				
3		Abrechnungsart		
		▼ Tarif Minuten		
4		Tarif Minuten Vorausbezahlte	Zeit Weiter	
		Pauschal Angeb		
s		▼ Tarif Frames		
6		Tarif Frames		
		Vorausbezahlte S	piele Owner	
7		Pauschal Angebo	te	
		6	Abbrechen	
8				
0				
10				
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10				
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Tarif (Einstellungen)			
Tarif (Einstellungen)			
Tarif (Einstellungen))			
Tarif (Einstellungen)	<u>A</u>	of Minutes	
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1	ungsart	9		
1 2 Abrechni 3 Tarif Min	ungsart	Bein Ólfren de Barn acteigen	Standard Terl'i Schnelleff ung nit Doppelsikk	
1 2 Abrechni 3 Tarif Min Vorausbr	ungsart uten ezahlte Zeit	inden Offens des Eines servigen C	Standard Tarif (Echandra') and Ecopyredik k © Standard © Standard	
1 2 Abrechni 3 Tarif Min Vorausbr	ungsart uten	Bein Ólfren de Barn acteigen	Standard Tarif (Schweite Trany och Dappelsikk	
1 2 Abrechni 3 Tarif Min Vorausbr	ungsart uten ezahlte Zeit Angebote	inden Offens des Eines servigen C	Standard Tarif (Echandra') and Ecopyredik k © Standard © Standard	
Abrechni Tarif Min Vorausba Pauschal	ungsart uten ezahlte Zeit Angebote	Beile Offens der Basserseigen	Sended Tol Ticknele Tuny of Experies is Sentered Sentered Page (Raada 2)	
Abrechn Tarif Min Vorausbr Pauschal	ungsart uten ezahlte Zeit Angebote	Beile Offens der Basserseigen	Sended Tol Ticknele Tuny of Experies is Sentered Sentered Page (Raada 2)	
2 Abrechni Tarif Min Vorausba 4 Pauschal 5 Pauschal	ungsart uten ezahlte Zeit Angebote	Beile Offens der Basserseigen	Sended Tol Ticknele Tuny of Experies is Sentered Sentered Page (Raada 2)	
2 Abrechni Tarif Min Vorausba 4 Pauschal 5 Pauschal	ungsart uten ezahlte Zeit Angebote	Beile Offens der Basserseigen	Sended Tol Ticknele Tuny of Experies is Sentered Sentered Page (Raada 2)	
2 Abrechni Tarif Min Vorausba 4 Pauschal 5 Pauschal	ungsart uten ezahlte Zeit Angebote	Beile Offens der Basserseigen	Sended Tol Ticknele Tuny of Experies is Sentered Sentered Page (Raada 2)	
2 Abrechni Tarif Min Vorausba 4 Pauschal 5 Pauschal	ungsart uten ezahlte Zeit Angebote	Beile Offens der Basserseigen	Sended Tol Ticknele Tuny of Experies is Sentered Sentered Page (Raada 2)	

Display when the lane is opened: Defines whether this tariff type is displayed when the lane is opened.

Standard rate: By double-clicking (fast procedure of opening a lane), no tariff selection is displayed, but the standard tariff is used directly.

Packages (after prepaid time):

<u>A package offer defines a fixed time and a fixed price. The offer includes bowling</u> <u>including the shoe rental</u>

Pauschal Angebote
Sasthing SalatinKinan Naaddinas
H: J. M: 0 -
Schlessen Prulen

The playing time in minutes and the flat (net) price are defined here, the name and color are for identification only. A total of 4 package deals can be defined.

Tariff schedule:

		1	8							Tarif	Min	uten							Storalo	1.50	in Minute				
MONDAY																							200		
TUESDAY	1	1	1		1	-	NN 111 (* 1	m													1				
			386	440	400	6.30		/#	-	-	100	11-00	Long (.48	100	B-60	1.00	LON	LAIR	-	3.65	3380	20 60	2010	-
WEDNESDAY		1.05	286	ADG	*00	438		788	3.85	HE	1248	11-00	1218	1400	HE	P 03	16.03	1218	10.00	1400	NEC	7100	70 03	7003	208
THURSDAY										-	*****	*			*	an a	e La	2030	***						
		148	742	100	100	4.38	•=	78	382	+00	1509	11-10	1218	-102	1400	79.00	14:00	12/08		1400	NE	7100	707	75/00	29.08
FRIDAY		148	248	100	100	539		740	н	-	12:00	11-50	1210	1944	1407	7760	11:00	17:08	1918	1908	Net	7160	11:00	15:00	20:00
SATURDAY			348	300	400	528			MK		1209	11:00	1298	1348	3482	22.60	3900	17:00	1508	1988	Net	2000	1160	1500	3450
SUNDAY	EM	38	255	360	400	329				200	1009	11:50	1294	380	-	Zeo	2000	17:59	1598	298	395	2160	22:00	2009	2428

The standard rate per minute defines the game price per minute. That is, at an hourly price of e.g. 30.00 EUR per hour, this (30.00 / 60 =) would be 0.50. If no other time zone is defined, this value is used.

		arif Minuton	* Bassicul Tair 1990 Minute	
	Beschreibung	my new tarif	Cyan -	
	Von	SATURDAN - [17 +] [0 +		
	Bis	14103041 - 1,0 - 1,0 -		
	Tarif Minuten	1.0		
	Schliessen	Proten	Löschen	
SUNDAY	و به به به به به به به به			
	ana tao ana ana dat un data 116 ang	*30 1042 1342 3745 3749 540 5500	1898 2768 1868 1967 1970 1970 1970	2008 2008

When creating a new zone: (by clicking on a free area in the plan)

Description and color is for identification only.

From-To: Defines the period and tariff minutes, the amount that will be charged during this period.

Pressing the "Check" button checks whether there are any overlaps with other tariff zones.

Prepaid time:

Lanes that are billed after prepaid time, options can be defined, which action is to be executed after the time has elapsed:

PR Tarif (E	instellungen)		dinko Scan
II III III III IIII IIII IIIIIIIIIIIII	Vorausbezahlte Zeit		
2	Verbleibende Zeit Nachricht	104 kp/ark	
з	*Gesendet vor Ablauf (Minuten)	21	
	Zeit abgelaufen Nachricht	(recepted)	
	Maschine abstellen, wenn Zeit abgelaufen	×	
5			
6			
8			
9			
10		🕡 Sprichtern & Bernden	

Remaining time message: The entered text is sent to the lane at the defined time, the message appears on the monitor together with a counter which indicates the remaining time.

Holidays:

PR	Tarif	(Einstellun	gen)																		Jako Sur
1			é					Та	rif Mi	inuten			Ē	- Standar	d lant pro	o Mirata					
2		Feiertag	aza :20 :	NE 365	440	Beering 24 (2)	739	820 92	an :14	x 3940 3	14/09	1508 180	- 94	341	3940	x-05	2100	2200	200	262	
3		* Fáalag																			
5																					
6																					
7																					
8										0											
10									\sim	z 3 4 2 ot											

Defining holidays, these tariff structures are applied when the current date corresponds to one of these holidays.

In CCS-FX a "day" is defined from 05:00 to 05:00 the next day. This means that a holiday starts at 5:00 at the earliest.

CS	Einstellungen	Managemei	nt	_	1.000.000		
PRO							
1							
2		25		12		*	and a second second
3	Schuhe (Ein	stellungen) Beschre	eibung	Preis (inkl. MWSt)	MWST	Farbe	2100 V
		🕹 Stand	dard	3.00	.Z2	Est. ×	
		Kinds		2.00	.15	📕 Cpan 📼	
5	-	9					
6							10 mm
7			Abbrechen	Beachaiten	G Speichern		

Several rental shoe positions can be defined, the price is inclusive of VAT, if one has been defined in the settings.

Discout set	tings:					
				13 Oktober 2014 Montag, 15:19	Simple Telepe Marc 8 15	Standard Tairty o France B
	~	A	12		×	
	Rabatte (Einstellungen)					
		hreibung	Preis	Farbe		
	Ø K	inder	Kinder(29%) +	Velou -		
	0 N	1ember	Member(10%) +	Red 🕶		
	<mark>0</mark> 5	0 %	50 %(50%) ·	■ 4d184d 👻		
		Q				
		Abbrechen	Bearbeiten	Speichern		
	×.		10		745	

These discounts can be applied to individual players when creating the bill.

Printer settings:

CCS-FX can print on multiple printers. E.g. The results of the game and the daily closing can be printed on an A4 printer and the invoices printed on a receipt printer (for example with roll paper). To provide the connected printers to the CCS-FX, these must first be registered in the CCS-FX's printer settings.

The "Printer Width" field can be used to define a maximum printer width. This is not necessary with normal A4 printers, but this is necessary with receipt printers with a special paper size.

Management:

Daily closing:

At the end of the day, the daily closing is generated manually by the user. The closing date records all sales and all discounts granted as well as all discounts granted. In addition, the time stamp when CCS-FX has been started, how many free balls and free minutes have been granted. It also records whether an abusive action has been performed: e.g. Changing the settings manually (and other actions that we do not want to describe here in detail).



Database:

CCS EIN	stellungen Management	
	Rapport-Management	
	Datenbank Manipulationen	
	Bisettene Dir Bischnisteller Bischnungen Birecente Kennungen Gilogestebenklase	
	Schesen	

All data is stored in a database. The individual database tables, can be displayed and also deleted. Please enjoy with caution!

Lane in maintenance:

If a lane is not available due to maintenance or repair, this can be noted in the options:

\$

The corresponding lane will appear in the main screen as follows:

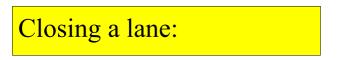
CCS PRO	Einstellungen Manageme	ent
1	(Montag, 13 Oktober 2014 15:40) Masch	ine hat eine Panne und muss durch Peter repariert v
2	0	Optika-Version: Simulation 🛛
3	0	Optika-Version: Simulation 🛛
4	¢	Optika-Version: Simulation 😳

Open a lane:

If the fast procedure is not triggered (by double-clicking), the tariff selection appears when you click on the lane number:



All tariff types are displayed, which have been defined as "displayable" in the tariff settings. Use the right arrow to select the packages. The League button is deactivated in this example because the league can only be played on a free double track. In this example, track number 2 has been opened and since lane 1 is in maintenance, no league can be assigned on this lane.



When a lane gets closed, The dialog with the invoice amount is getting displayed.

CCS		
PRO		
	Rechnung	
2	Rechmung_Bahm:2	
(minister)	Tarifzone Minuten Preis Total Senden/Teripro Minute 38 1.5 57.00	
	57.00	
	Skonto	
- 4		
	Total 57.00	
	Constant and the second	
6		
6		
1.18		
- 12	Abbrechen P Abschlassen, später absechen Wetter	
1		

In order to be able to release the lane as quickly as possible, the lane can be immediately closed by clicking on the "Park-Button". The invoice is temporarily stored in the "parking space" and can be reactivated at a later date.

Discount: Allows you to assign discounts:

Rechnung	Skonto	
	* fooling	
	Spoletrammen % Booling Press Image: Spoletrammen 2000 2000 Image: Spoletrammen 2000 2000	
	* State	
	Schuhe % Schuhe Preis	
	Total: Bowling: 54.15 Schuhe: .00	
	🐼 04	

The total amount is distributed to the individual players, additional players can be added or

removed.

The discounts for the rental shoes are treated independently of the bowling.

Note: A double-click on the discount field, automatically sets this discount value for all players.

Parked invoices:	
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If parked invoices are located in the "parking area", this is indicated with a "P" in the main screen:



If several invoices are located in the "parking area", they can also be combined into a single invoice by selecting them.



Changing the tariff type: For lanes that have been assigned in the time or frame tariff, the charging type can be changed later. This does not apply to all other tariff categories.

Restore Game: This procedure attempts to recover the last game on the lane computer after a lane computer crash or power failure.

Important: This procedure has no effect on the CCS-FX application, but only affects the lane computer. May only be carried out in an emergency.

The current invoice can always be displayed and edited. The displayed invoice is the currently valid invoice and changes continuously (after each lane scan or after each minute clock). Discounts and discounts are saved and retained.