Atronic
Commboard Manual

for Commboard 68k Rev. 2.10

Rev. 1.3

July 2007

Release Info:

Atronic Commboard Manual
for commboard 68k Rev. 2.10

Rev. 1.3

Rel. July 2007

Software / Basic Setup - B-Level

INTRODUCTION

This manual aims to provide qualified technical service staff with detailed information how to connect and configure the Atronic commboard 68k Rev. 2.10.

The Atronic commboard 68k provides connection to various online systems. System addresses, jackpot addresses and SAS channel allocation is set here. Commboard software EPROMs (U34 / U35) are available for various applications and protocols.

Installation Overview

1. Power down the gaming machine and open the logic box door to get access to the commboard.

2. To remove the commboard pull the green disengaging lever.

3. Configure commboard DIP and rotary switch settings as described within this manual.

4. Carry out a RAM Reset / Commboard Clear procedure (if necessary) and install appropriate commboard software EPROMs to sockets U34 and U35.

5. Remove the cable recess cover on top of the logic box and thread the cable(s) to be connected to the commboard into the logic box. Reinstall the cable recess cover.

6. Connect the cable(s) to the commboard and reinstall it. Make sure that the commboard is properly seated all the way into the frame and connected to the backplane.

7. Power up the machine and carry out the Initial Setup (if a RAM Reset has been performed) and configure the Service Menu settings.

8. Carry out necessary communication tests, when communication to the online system is established.

Disengaging Lever

Commboard

Commboard 68k Rev. 2.10
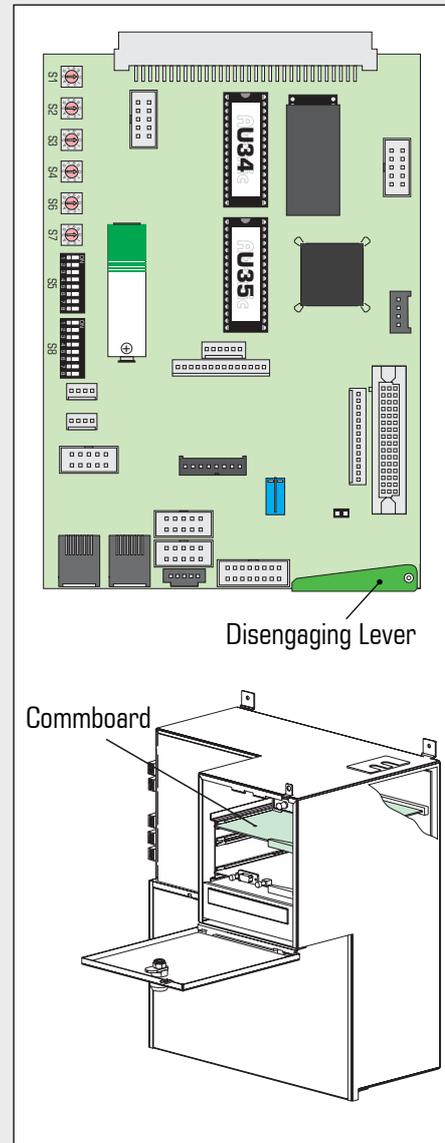
COMMBOARD CONFIGURATION

Commboard configuration is carried out by means of the rotary switches and the DIP switches on the commboard. Check all settings carefully before putting the machine into operation. Any subsequent change of the DIP switch settings requires a Commboard Clear.
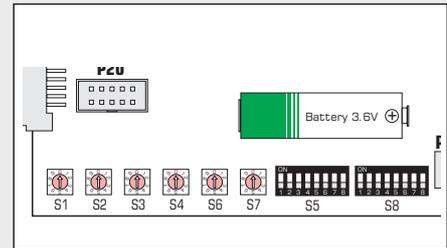
Rotary Switches S1 and S2

These two switches determine the APL progressive address if the Atronic Progressive Link (APL) is used. APL™ is also used on Atronic link concepts such as CASH Fever™, King Kong Cash, The Game of Life™, Deal or no Deal™ and other. Each machine in an APL link must have a unique address from 01 to 32. (S1 = tens digit, S2 = units digit). System progressive mode and non-progressive mode does not need a progressive system address set.

Rotary Switches S3, S4 and S6, S7

These four switches determine the accounting system address. This address has to be set if communication to an accouting system is necessary or if a jackpot controller uses the accounting system address (system progressive).

In most cases the accounting system address is provided by a connected slot machine interface board (SMIB) or a machine data controller (MDC). In this case it is not necessary to set unique addresses for each commboard. Just set the address to 01 to activate a channel. You may need to configure unique addresse in an fibre optics driven ticketing environment.

- S6 and S7 sets the accounting system address for SAS channel 1.
  (S6 = tens digit, S7 = units digit).

- S3 and S4 sets the accounting system address for SAS channel 2.
  (S3 = tens digit, S4 = units digit).

- Setting the address to 00 disables a channel.

Examples

If a MDC provides the accounting system address:

- To activate SAS channel 1 set rotary switch S7 to "1"

- To activate SAS channel 2 set rotary switch S4 to "1"

If you have to set unique accounting addresses for each commboard:

- To set (for example) address 17 on SAS channel 2, set S3 to "1" and S4 to "7".

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COMMBOARD CONFIGURATION

DIP Switch Block S5

S5-1, S5-2 and S5-3 configures the commboard progressive mode.

Switch			Function
5-1	**5-2**	**5-3**	
OFF	OFF	OFF	Mikohn MS-10 Progressive
ON	OFF	OFF	Accounting Progressive
OFF	ON	OFF	APL Progressive (if included in eprom)
ON	ON	OFF	Mikohn MS-27 Mystery
OFF	OFF	ON	Mikohn MS-27 Mystery + Progressive
ON	OFF	ON	Accounting System 3rd Channel
OFF	ON	ON	not supported
ON	ON	ON	not used, defaults to Mikohn MS-10

For non-progressive mode set all three switches to OFF.

S5-4 enables/disables the APL™ master mode. When configuring an APL™, define one machine in the link as the APL™ master machine by setting S5-4 to ON.

5-4			
ON			APL EGM act as Master
OFF			APL EGM act as Slave

S5-6 enables/disables the implemented accounting protocoll. Set S5-6 to ON if communication to an accounting system is required (typical).

5-6			
ON			Activate implemented Accounting System
OFF			Disable implemented Accounting System

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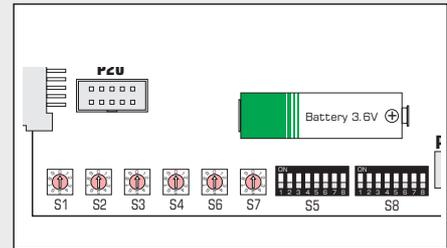
COMMBOARD CONFIGURATION

DIP Switch Block S5

S5-7 and S5-8 defines the handling of the commboard data buffers for handpay and voucher validation. These switches are intended to support older accounting systems that can not handle certain SAS exceptions. Please contact Atronic Technical Service to figure out which is the appropriate setting for a particular system.
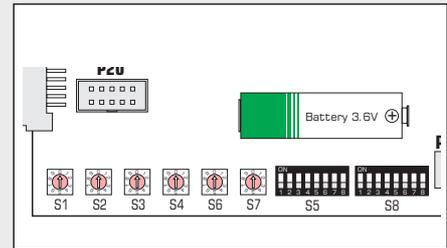
SAS 5 commboard software **Q_S5-xx-STD_x-08A**

5-7			
ON			Handpay AND ticket overwritten if not read
5-8			
ON			Ticket info only will be overwritten if not read

SAS 6 commboard software **Q_S6-xx-STD_x-08A**

5-7			
ON			Legacy Handpay Reporting active
OFF			Handpay Queue active on all channels (typical)

Legacy Handpay Reporting active
The host can but must not read the handpay information. The data will be lost or overwritten, if the data is not read. Use this setting with systems that do not answer exception 51 (handpay pending) by a 1B long poll.

Note: (Applies to dual channel mode only)
Switch setting Legacy Handpay Reporting applies to non "Control" channels only. The SAS channel where the "Control" function is allocated to (by switch S8/5, see also next page) always uses Handpay Queue mode.

Handpay Queue active
When a handpay occures the machine stores the pertinent data in the handpay queue and issues exception 51. When long poll 1B is received, the oldest unreported entry in the queue is sent to the host. If the 1B long poll is not received within fifteen seconds, exception 51 is re-issued every fifteen seconds until long poll 1B is received. If the handpay queue buffer is full, the machine will lock with error message "ACCOUNTING SYSTEM DISCONNECTED Hand Pay Buffer Full - Channel X".

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COMMBOARD CONFIGURATION

DIP Switch Block S8

S8-1 enables/disables the dual channel redemption feature. If set to ON the redemption of promotional vouchers issued by a Bally® SDS™ is allocated to SAS channel 1. In this case set S8-6 to ON to allocate cashout vouchers to SAS channel 2. This feature is implemented in certain software versions only.

S8-2 to S8-6 are intended to configure SAS dual channel mode. Certain SAS polls can be allocated to either SAS channel 1 or SAS channel 2 in order to communicate to a dedicated system.

Switch			Description	Affected LongPolls
8-2				
OFF			Prog JP Chann 1	0x80, 0x86
ON			Prog JP Chann 2	
8-3				
OFF			EFT Chann 1	0x22 to 0x26, 0x28, 0x29
ON			EFT Chann 2	0x62 to 0x67, 0x28, 0x29
8-4				
OFF			Bonus Chann 1	0x2E, 0x8A, 0x8B
ON			Bonus Chann 2	
8-5				
OFF			Control Chann 1	0x03 to 0x07, 0x0A to 0x0C
ON			Control Chann 2	0x94, 0xA8
8-6				
OFF			Coupon Chann 1	0x4C, 0x4D, 0x57, 0x58, 0x70, 0x71
ON			Coupon Chann 2	0x7D (Exp 0x3F, 0x57, 0x67, 0x68)

S8-7 is intended to support a special handling required by Bally® systems with a Mastercom™ 250 connected.

8-7				
OFF				CB sends Total drop meter to host
ON				CB sends Coin drop meter (Bally)

S8-8 defines the handling if the communication to the online system could not be established for more than 15 seconds. If set to ON the machine will immediately lock up and displays an pop-up error message. If set to NO the machine remains playable until the commboard data buffers are full.

8-8				
ON				Message if accountingsystem isn´t connected
OFF				No message if accountingsystem isn´t connected

Note:
With GRIPS™ protocoll commboard software installed only switch S8-8 is used.

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COMMBOARD CONNECTORS

The Atronic commboard 68k Rev. 2.10 features several connectors for different systems and protocols.
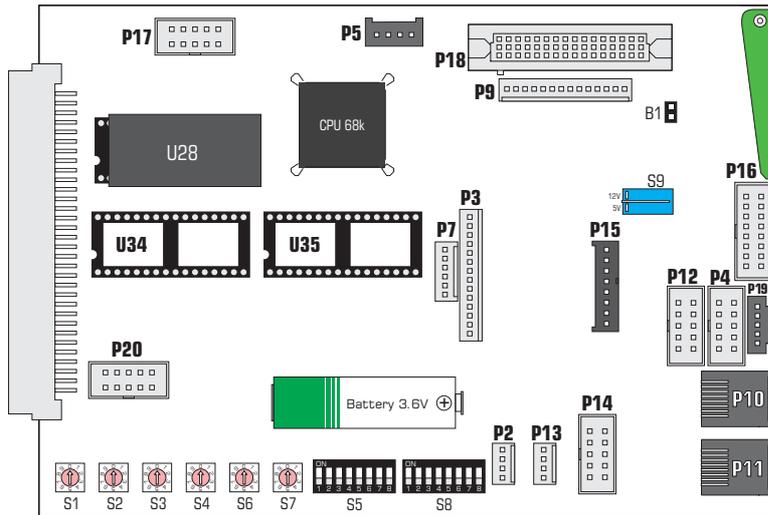
Connector	Interface	Protocol / Function
P2	TTL	**SAS channel 1** (current loop)
P3	-	Cash-Now trigger signals
P4*	RS232	**SAS channel 2** *or* GRIPS™
P5	-	Comm Key (Ticket in dongle)
P7	-	External Display
P9	-	+12V (for MDCs)
P10, P11	RS485	A-LINK™
P12	RS232	**SAS channel 1**
P13	TTL	Bally® SDS™
P14	TTL	DACOM®
P15	-	not used
P16	RS422	VLC®
P17	-	Manufacturer use
P18	RS422	Overhead Displayboard
P19	TTL	**SAS channel 2** (current loop)
P20	-	not used

S9	Close to apply +5V or +12V to pin 1 of connector P2
B1	Close jumper to bridge electrical (galvanic) isolation of ground connection.

*Connector function depends on commboard software protocol version.

Note: Connectors P10 and P11 are parallel wired.

Note:
Close jumber B1, if an **Atronic Systems MDC** is connected.

CONNECTORS PINOUT

This chapter describes the connectors pinout of the commboard 68k rev. 2.10.

Connector P12

Function: SAS protocoll / Channel 1
Interface: RS232

3	RXD
4	RTS
5	TXD
6	CTS
9	SAS Ground
10	SAS Ground
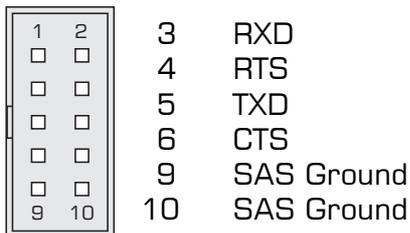
Connector P2

Function: SAS protocoll / Channel 1
Interface: Current loop (TTL)

1	SAS +5V *or* SAS +12V *or* none (Depends on voltage switch S9)
2	RXD
3	TXD
4	SAS Ground
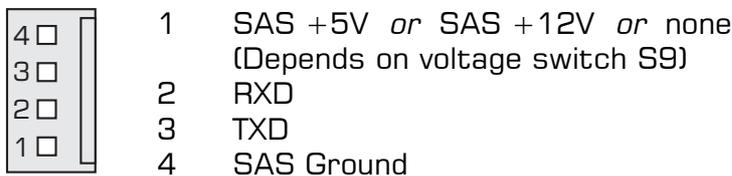
Connector P4 and P19

Function: SAS protocoll / Channel 2
           or GRIPS™ protocoll
Interface: RS232

3	RXD
4	RTS
5	TXD
6	CTS
9	Ground
10	Ground

2	parallel wired to P4 / pin 5 (TXD)
4	parallel wired to P4 / pin 3 (RXD)
5	Ground
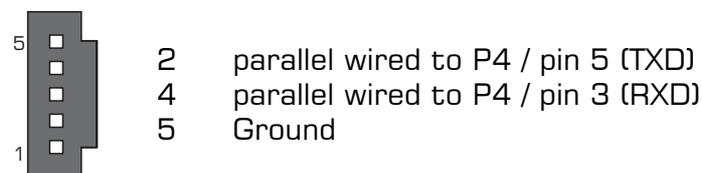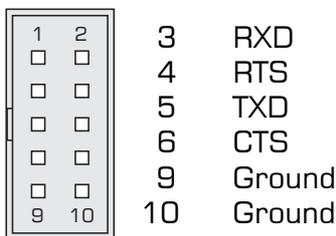
Note:
Only connector pins with a defined function are described. Other pins are not connected or should not be used.

Note:
Connector function depends on installed software version (SAS or GRIPS™ version).

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CONNECTORS PINOUT continued

Connector P5 (without pic.)

Connector for Comm Key (Dongle board to enable voucher redemption / Ticket In).

Connector P7

Connector for external overhead display.

	1	-
	2	RDIS
	3	nRDIS
	4	nTDIS
	5	TDIS
	6	Ground

Connector P9

Connector P9 has a 12V output, which can be used to supply a smart interface board (SMIB).
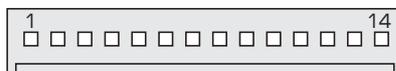
9	Ground
10	Ground
11	+12V
12	Ground
14	VCC

Connectors P10 and P11

Function: Atronic Progressive Link (APL™) or
           MS10 / MS27 protocoll*
Interface: RS485 half duplex
Jack: RJ-45

Connectors P10 and P11 are parallel wired.

	1	A-Link +12V
	2	A-Link +12V
	3	A-Link A
	4	A-Link B
	5	Mikohn B
	6	Mikohn A
	7	RS4xx Ground
	8	RS4xx Ground

Note:
Display protocoll version can be set during jackpot configuration using the A-Link Config application software.
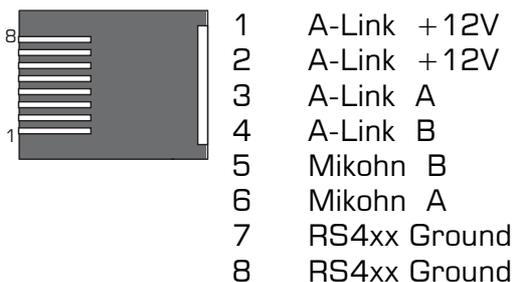
***Note:**
Function depends on commboard progressive mode set with DIP switches S5-1 to S5-3.*

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CONNECTORS PINOUT continued

Connector P13

Function: Bally Systems
Interface: Current loop (TTL)

1	Blackout
2	Bally RXD
3	Bally TXD
4	SAS Ground

Connector P14

Function: DACOM
Interface: Current loop (TTL)

1	DACOM 5000 RXD
2	DACOM 5000 RXD
3	SAS Ground
4	SAS Ground
5	DACOM 5000 TXD
6	DACOM 5000 TXD
7	SAS Ground
8	SAS Ground
9	DACOM 5000 RXD
10	DACOM 5000 RXD

Connector P16

Function: VLC
Interface: RS422

2	VLC TXDB
3	VLC TXDA
4	VLC RTSB
5	VLC RTSA
6	VLC RXDB
7	VLC RXDA
13	VLC Ground

DIP SWITCH TABLE - SAS 5

Use the tables below to set up progressive system address, accounting system address, progressive mode, APL mode and SAS channel allocation on the commboard, before you carry out the RAM Reset.

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S1 S2 S3 S4 S6 S7 S5 S8
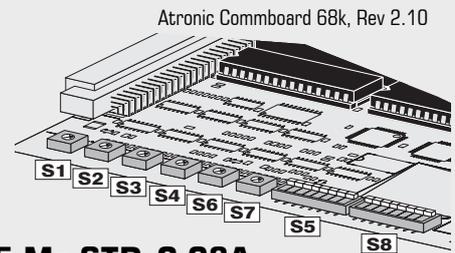
Settings for Commboard software version HCB-Q_S5-Mx-STD_C-08A

Rotary Switches

Switch	Function		
S1	EGMs APL Progressive System Address x10		
S2	EGMs APL Progressive System Address x01	(Address "00" disables APL progressive address)	
S3	EGMs Accounting System Address Channel 2	x10	**Note**: Set commboard system address on channel 1 to 01, if a slot machine interface board (SMIB) or a machine data controller (MDC) provides the system address.
S4	EGMs Accounting System Address Channel 2	x01 (Address "00" disables channel)	
S6	EGMs Accounting System Address Channel 1	x10	
S7	EGMs Accounting System Address Channel 1	x01 (Address "00" disables channel)	

DIP Switch S5

1	2	3	4	5	6	7	8	Function
Off	Off	Off						Mikohn MS-10 Progressive (use this setting for non-progressive mode)
ON	Off	Off						Accounting System Progressive
Off	ON	Off						APL Progressive / APL Cashfever™ (if included in eprom)
ON	ON	Off						Mikohn MS-27 Mystery
Off	Off	ON						Mikohn MS-27 Mystery + Progressive
ON	Off	ON						Accounting System 3rd Channel
			ON					APL EGM act as Master
			Off					APL EGM act as Slave
				On				none - (APL 1 only supported))
				Off				none - (APL 1 only supported))
					On			Activate communication to accounting system
					Off			Disable communication to accounting system
						On		Handpay and ticket data overwritten, if not read
							On	Ticket data overwritten if not read (prevent buffer overrun)

DIP Switch S8

1	2	3	4	5	6	7	8	Function		Affected LongPolls
Off								2 Channel Coupon Redemption (Channel 1 = Bally Promotional, Channel 2 = EZPay)		
On										
	Off							Prog JP	Chan1	0x80, 0x86
	On							Prog JP	Chan 2	
		Off						EFT	Chan 1	0x22 to 0x26, 0x28, 0x29
		On						EFT	Chan 2	0x62 to 0x67, 0x28, 0x29
			Off					Bonus	Chan 1	0x2E, 0x8A, 0x8B
			On					Bonus	Chan 2	
				Off				Control	Chan 1	0x03 to 0x07, 0x0A to 0x0C
				On				Control	Chan 2	0x94, 0xA8
					Off			Coupon	Chan 1	0x4C, 0x4D 0x57, 0x58, 0x70, 0x71
					On			Coupon	Chan 2	0x7D (Exp 0x3F, 0x57, 0x67, 0x68)
						Off		CB sends Total drop meter to host		
						On		CB sends Coin drop meter **		
							On	Message if accountingsystem isn't connected		
							Off	No message if accountingsystem isn't connected		

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DIP SWITCH TABLE - SAS 5 ADL

Atronic Commboard 68k, Rev 2.10

Use the tables below to set up progressive system address, accounting system address, progressive mode, APL mode and SAS channel allocation on the commboard, before you carry out the RAM Reset.

Settings for Commboard software version HCB-Q_S5-Mx-STD_1-08A

Rotary Switches

Switch	Function		
S1	EGMs APL Progressive System Address x10		
S2	EGMs APL Progressive System Address x01	(Address "00" disables APL progressive address)	
S3	EGMs Accounting System Address Channel 2	x10	
S4	EGMs Accounting System Address Channel 2	x01	(Address "00" disables channel)
S6	EGMs Accounting System Address Channel 1	x10	
S7	EGMs Accounting System Address Channel 1	x01	(Address "00" disables channel)

Note: Set commboard system address on channel 1 to 01, if a slot machine interface board (SMIB) or a machine data controller (MDC) provides the system address.

DIP Switch S5

1	2	3	4	5	6	7	8	Function	
Off	Off	Off						Mikohn MS-10 Progressive	(use this setting for non-progressive mode)
ON	Off	Off						Accounting System Progressive	
Off	ON	Off						APL Progressive / APL Cashfever™	(if included in eprom)
ON	ON	Off						Mikohn MS-27 Mystery	
Off	Off	ON						Mikohn MS-27 Mystery + Progressive	
ON	Off	ON						Accounting System 3rd Channel	
ON	ON	ON						SAS Progressive with ADL	(for system based link solutions)
			ON					APL EGM act as Master	
			Off					APL EGM act as Slave	
				On				none - (APL 1 only supported))	
				Off				none - (APL 1 only supported))	
					On			Activate communication to accounting system	
					Off			Disable communication to accounting system	
						On		Handpay and ticket data overwritten, if not read	
							On	Ticket data overwritten if not read	(prevent buffer overrun)

DIP Switch S8

1	2	3	4	5	6	7	8	Function	Affected LongPolls
Off									
On								2 Channel Coupon Redemption (Channel 1 = Bally Promotional, Channel 2 = EZPay)	
	Off							Prog JP Chan1	0x80, 0x86
	On							Prog JP Chan 2	
		Off						EFT Chan 1	0x22 to 0x26, 0x28, 0x29
		On						EFT Chan 2	0x62 to 0x67, 0x28, 0x29
			Off					Bonus Chan 1	0x2E, 0x8A, 0x8B
			On					Bonus Chan 2	
				Off				Control Chan 1	0x03 to 0x07, 0x0A to 0x0C
				On				Control Chan 2	0x94, 0xA8
					Off			Coupon Chan 1	0x4C, 0x4D 0x57, 0x58, 0x70, 0x71
					On			Coupon Chan 2	0x7D (Exp 0x3F, 0x57, 0x67, 0x68)
						Off		CB sends Total drop meter to host	
						On		CB sends Coin drop meter **	
							On	Message if accountingsystem isn't connected	
							Off	No message if accountingsystem isn't connected	

S1 S2 S3 S4 S6 S7 S5 S8

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Atronic

Great Games Great People

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DIP SWITCH TABLE - SAS 6

Use the tables below to set up progressive system address, accounting system address, progressive mode, APL mode and SAS channel allocation on the commboard, before you carry out the RAM Reset.
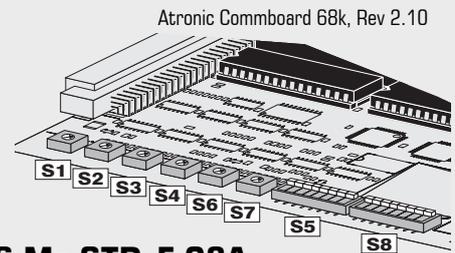
Settings for Commboard software version HCB-Q_S6-Mx-STD_F-08A

Rotary Switches

Switch	Function		
S1	EGMs APL Progressive System Address x10		
S2	EGMs APL Progressive System Address x01	(Address "00" disables APL progressive address)	
S3	EGMs Accounting System Address Channel 2	x10	**Note**: Set commboard system address on channel 1 to 01, if a slot machine interface board (SMIB) or a machine data controller (MDC) provides the system address.
S4	EGMs Accounting System Address Channel 2	x01 (Address "00" disables channel)	
S6	EGMs Accounting System Address Channel 1	x10	
S7	EGMs Accounting System Address Channel 1	x01 (Address "00" disables channel)	

DIP Switch S5

1	2	3	4	5	6	7	8	Function	
Off	Off	Off						Mikohn MS-10 Progressive	(use this setting for non-progressive mode)
ON	Off	Off						Accounting System Progressive	
Off	ON	Off						APL Progressive / APL Cashfever™	(if included in eprom)
ON	ON	Off						Mikohn MS-27 Mystery	
Off	Off	ON						Mikohn MS-27 Mystery + Progressive	
ON	Off	ON						Accounting System 3rd Channel	
			ON					APL EGM act as Master	
			Off					APL EGM act as Slave	
				On				APL 1 (overtaking progressive meters)	
				Off				APL 2 (non-overtaking progressive meters)	
					On			Activate communication to accounting system	
					Off			Disable communication to accounting system	
						On		Legacy Handpay Reporting	(data overwritten, if not read)
						Off		Handpay Queue (typical)	(machine locks, if buffer is full)
							On	Ticket data overwritten if not read	(prevent buffer overrun)

DIP Switch S8

1	2	3	4	5	6	7	8	Function		Affected LongPolls
Off								2 Channel Coupon Redemption (Channel 1 = Bally Promotional, Channel 2 = EZPay)		
On										
	Off							Prog JP	Chan1	0x80, 0x86
	On							Prog JP	Chan 2	
		Off						EFT	Chan 1	0x22 to 0x26, 0x28, 0x29
		On						EFT	Chan 2	0x62 to 0x67, 0x28, 0x29
			Off					Bonus	Chan 1	0x2E, 0x8A, 0x8B
			On					Bonus	Chan 2	
				Off				Control	Chan 1	0x03 to 0x07, 0x0A to 0x0C
				On				Control	Chan 2	0x94, 0xA8
					Off			Coupon	Chan 1	0x4C, 0x4D 0x57, 0x58, 0x70, 0x71
					On			Coupon	Chan 2	0x7D (Exp 0x3F, 0x57, 0x67, 0x68)
						Off		CB sends Total drop meter to host		
						On		CB sends Coin drop meter **		
							On	Message if accountingsystem isn't connected		
							Off	No message if accountingsystem isn't connected		

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DIP SWITCH TABLE - SAS 6 ADL

Use the tables below to set up progressive system address, accounting system address, progressive mode, APL mode and SAS channel allocation on the commboard, before you carry out the RAM Reset.

Atronic Commboard 68k, Rev 2.10

S1 S2 S3 S4 S6 S7 S5 S8

Settings for Commboard software version HCB-Q_S6-Mx-STD_1-08A

Rotary Switches

Switch	Function		
S1	EGMs APL Progressive System Address x10		
S2	EGMs APL Progressive System Address x01	(Address "00" disables APL progressive address)	
S3	EGMs Accounting System Address Channel 2	x10	**Note**: Set commboard system address on channel 1 to 01, if a slot machine interface board (SMIB) or a machine data controller (MDC) provides the system address.
S4	EGMs Accounting System Address Channel 2	x01 (Address "00" disables channel)	
S6	EGMs Accounting System Address Channel 1	x10	
S7	EGMs Accounting System Address Channel 1	x01 (Address "00" disables channel)	

DIP Switch S5

Switch								Function	
1	2	3	4	5	6	7	8		
Off	Off	Off						Mikohn MS-10 Progressive	(use this setting for non-progressive mode)
ON	Off	Off						Accounting System Progressive	
Off	ON	Off						APL Progressive / APL Cashfever™	(if included in eprom)
ON	ON	Off						Mikohn MS-27 Mystery	
Off	Off	ON						Mikohn MS-27 Mystery + Progressive	
ON	Off	ON						Accounting System 3rd Channel	
ON	ON	ON						SAS Progressive with ADL	(for system based link solutions)
			ON					APL EGM act as Master	
			Off					APL EGM act as Slave	
				On				APL 1 (overtaking progressive meters)	
				Off				APL 2 (non-overtaking progressive meters)	
					On			Activate communication to accounting system	
					Off			Disable communication to accounting system	
						On		Legacy Handpay Reporting	(data overwritten, if not read)
						Off		Handpay Queue (typical)	(machine locks, if buffer is full)
							On	Ticket data overwritten if not read	(prevent buffer overrun)

DIP Switch S8

Switch								Function		Affected LongPolls
1	2	3	4	5	6	7	8			
Off								2 Channel Coupon Redemption (Channel 1 = Bally Promotional, Channel 2 = EZPay)		
On										
	Off							Prog JP	Chan1	0x80, 0x86
	On							Prog JP	Chan 2	
		Off						EFT	Chan 1	0x22 to 0x26, 0x28, 0x29
		On						EFT	Chan 2	0x62 to 0x67, 0x28, 0x29
			Off					Bonus	Chan 1	0x2E, 0x8A, 0x8B
			On					Bonus	Chan 2	
				Off				Control	Chan 1	0x03 to 0x07, 0x0A to 0x0C
				On				Control	Chan 2	0x94, 0xA8
					Off			Coupon	Chan 1	0x4C, 0x4D 0x57, 0x58, 0x70, 0x71
					On			Coupon	Chan 2	0x7D (Exp 0x3F, 0x57, 0x67, 0x68)
						Off		CB sends Total drop meter to host		
						On		CB sends Coin drop meter **		
							On	Message if accountingsystem isn't connected		
							Off	No message if accountingsystem isn't connected		

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DIP SWITCH TABLE - GRIPS

for commboard software HCB-Q_G4-Mx-xxx
(GRIPS 4.x Protocol)

Rotary Switches

Switch	Function
S1	EGMs Progressive System Address
S2	EGMs Progressive System Address
S3	EGMs Accounting System Address
S4	EGMs Accounting System Address
S6	EGMs Accounting System Address
S7	EGMs Accounting System Address

DIP Switch Block S5

5-1	5-2	5-3	Function
OFF	OFF	OFF	Mikohn MS-10 Progressive
ON	OFF	OFF	Accounting Progressive
OFF	ON	OFF	APL Progressive (if included in eprom)
ON	ON	OFF	Mikohn MS-27 Mystery
OFF	OFF	ON	Mikohn MS-27 Mystery + Progressive
ON	OFF	ON	not used, defaults to Mikohn MS-10
OFF	ON	ON	not used, defaults to Mikohn MS-10
ON	ON	ON	not used, defaults to Mikohn MS-10
5-4			
ON			APL EGM act as Master
OFF			APL EGM act as Slave
5-6			
ON			Activate implemented Accounting System
OFF			Disable implemented Accounting System
5-7	**5-8**		
ON	OFF		Not used
OFF	ON		Not used

DIP Switch Block S8

Switch	Description	Function
8-1		Not used
8-2		Not used
8-3		Not used
8-4		Not used
8-5		Not used
8-6		Not used
8-7		Not used
8-8		
ON		Message if accountingsystem isn´t connected
OFF		No message if accountingsystem isn´t connected

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