

Quick Pay Users Guide

Instructions for operating the Quick Pay Controller/Credit Card Terminal Software Rev 2.02

This Terminal is used in:

- **Self Service Carwash Bays**
- **Shampoo—Fragrance—Vacuums**
- **Automatic Carwashes/Auto Cashiers**
- **Vending Machines**
- **Kiosks**



Carwash Operator must certify that the Merchant Account ID number for each Credit Card Terminal is setup before using.

Installation must be done by a qualified Electrician or qualified Technician. It is the responsible of the user of this product to assure safe operation. PaymentBay is not liable for any injury or damages caused by the use of this product.

Setup the Telephone Service

Select an Unlimited Calling Plan such as:

- Qwest Choice™ Unlimited for Small Business
- AT&T Business Unlimited Calling Advantage
- Ask your local telephone provider about their options

Also VoIP (Internet Phone) providers offer Unlimited Calling – many VoIP services may operate with our 300 bps Non-compressed transmission format i.e. Vonage.

- Comcast Business Class Voice or Comcast Digital Voice® VoIP
- See section on Cellular Connection Option

Quick Start four steps

The four required settings to set up the Quick Pay system.

MINIMUM REQUIRMENTS

- 1) Program Merchant information with Merchant Card.
Enter Pass word #2 and press enter key
Swipe Merchant Card
Acknowledges: “MERCHANT PROGRAMMED”
- 2) Set Coin to Start, Start Time, Credit Card Amounts
[STUP menu]
- 3) Selection of BAY, VAC, VEND and number is required
[LINK menu]
- 4) Selection of MNTN, CENT, EAST time zone is required
[SYST menu]
- 5) Turn ON the Credit Card(s) you want to process [MCHT menu]

Driving Business to your car wash

Using the BONUS features can dramatically increase your Business

- 1) LOTO
[BONS menu]
- 2) Discount Loyalty Card (requires discount card programmed with merchant account and Card expiration date)
[BONS menu]

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Menu Function Overview

LINK MENU “LINK”

Under this menu you can set a name for each of the QuickPay Timers and then copy the Configuration from one QuickPay Timer to all QuickPay Timers in that same Category.

- CATG** Select from a list of category descriptions identifying the QuickPay Timer:
(BAY, VAC, VEND, Specials)
Select an ID number after the Category i.e. 01
- COPY** Push Enter QuickPay asks if you want to copy the setup to other QuickPay Timers by displaying CPY?.
- CPY?** Push Enter or Mute to escape the COPY menu or push “0” (Zero) on the remote to start the copy/transfer of all settings/configuration of this [sending] QuickPay Timer to all [receiving] QuickPay Times with this category. Note: All QuickPay Timers must have the phone line connected, have the same Revision, and be of the same category in order to copy/transfer the settings.

Example:

Your Carwash has 4 Wash Bays and 6 Vacuums.

The first step is to assign the CATG & number, a Category and an ID Number to each Bay and Vac.

The 4 Bays are set as: BAY01, BAY02, BAY03, BAY04.

The 6 Vacs are set as: VAC01, VAC02, VAC03, VAC04, VAC05, VAC06.

The second step is to completely setup or configure One of your Bays and One of your Vacuums. This includes:

SET-UP (Time to start, Coins to Start, Credit Card amount etc.)

BONUS (Bonus Time, Lotto Odds, Discount Card etc.)

SYSTEM (Time Zone, Speaker Volume etc.)

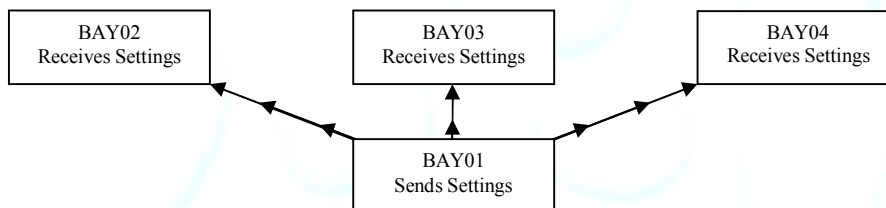
MERCHANT (Merchant Number – Swipe Merchant Card, Credit Cards accepted etc.)

The third step is to COPY the settings/configuration to all Bays from the Bay you just configured and all the Vacuums from the Vacuum you just configured.

After the Copy process is completed each of the Bays and Vacuums will beep and send an acknowledgment to the Bay or Vacuums that the settings/configuration was transferred from.

The Sending Bay shall display the percentage completed 01% thru 100%, and then go back to the LINK menu.

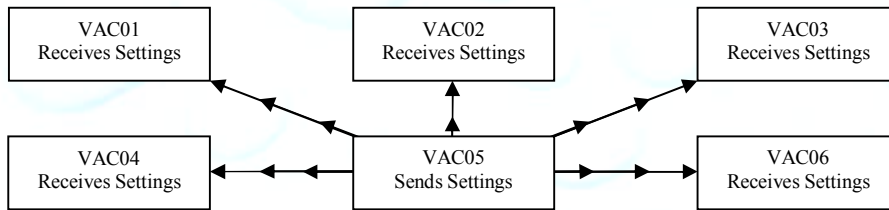
The Receiving Bays shall display the percentage completed 01% thru 100%, alternating COPY, initialize 01% thru 100% and scroll COPY COMPLETE until mute is pressed on the remote.



Above is an illustration on the settings in BAY01 being transferred to BAY02-04

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Above is an illustration of the settings in VAC05 being transferred to VAC01-04,06

SET-UP MENU “STUP”

Sets up the basic timer functions

COIN Sets amount to start wash. Ref Table #1. The COIN value must be less or the same as CRD1. **Decreasing the COIN value will override and change “Discount” to NONE – see BONUS menu.**

TIME Sets amount of Time when Starts. Ref Table #1.

CRD1 Sets the amount for the 1st Card Swipe – must be less than Pre-Auth set-up by the credit card processor.

CRD2 A) Amount of additional money to charge a credit card while the wash is active – must be same or less than CRD1.

B) If amount is set to NONE then credit card count-up mode is selected

1) When a customer swipes a credit card the Timer will scroll “PROCESSING” and begin counting up from 00:00. The Timer will contact the credit card processor and request that the card be charged the amount in [CRD1]

2) The minimum wash time is [TIME] + any amount that [CRD1] is higher than [COIN].

3) Should the customer swipe a card again while the wash is active, the Timer will scroll “IN-USE”.

4) Should the customer select the “OFF” function prior to the time reaching minimum, the Timer will scroll “ENDS AT XX:XX” every 15 seconds. When the time reaches minimum the Timer will end the wash cycle.

5) Should the time exceed minimum, and the customer has never selected the “OFF” function, the Timer will scroll “STOP To End CYCLE”

6) Should the customer insert a coin while the Count-Up mode is active, the Timer will switch over to the Count-Down Mode with the wash time at the time per quarter value, after the Count-Up mode has completed.

7) When the Count-Up mode has completed, the display will show the amount that will be charged to the card. If that amount is greater than [CRD1] the Timer will contact the credit card processor and request that the card be charged the new amount.

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- 8) A wash cycle is terminated should the amount that will be charged the card reaches [MAX]. The Timer will contact the credit card processor and request that [MAX] be charged to the card.
- MAX Maximum amount of money to charge a credit card while in credit card count-up mode. See "Credit Card Count-up Mode"
- TAX Sets Sales Tax added to the Credit Card Transaction NONE to 20.00%
NONE, 00.00, 00.01 ----- 20.00
- ALERT Time remaining in a wash cycle that the horn will be beeped
- WASH Amount of time provided when the "wash down" password is entered, or the "wash down" card is swiped
- FUNC
- A) Programs the characteristics of the function outputs PNXX selects the function output connector pin to be programmed/viewed Displays a list of the available function configurations dependent on the HOST setup in the SYS menu; See "Function Lists" below. (The function selected by a customer will be voiced, and scrolled on the display)
- Note: Available Function Configurations in the SYS - HOST include:
SELF-Self Service Carwash
AUTO-Automatic Carwash
PET-Pet Wash
VEND-Vend
- B) Determine if the "High Pressure" output on the Distribution Board will turn on if this function is selected -- engaging the high pressure pump.
- C) Percentage to scale the time remaining when the customer selects the function are selectable from 20% to 100% in 10% increments. These scale factors are used with higher product cost functions. 100% is the factory default.
- Note: If a user has 4:00 of time remaining and switches to a function scaled at 50% --the timer shall change the time remaining to 2:00 of time, giving the customer less product for the same money. Similarly, if a user is using a function scaled at 50% with 2:00 of time and switches to a normal function the timer shall change to 4:00 of time remaining.

Self Service Function List (Message that will be scrolled and voiced when a customer selects a carwash function)

ALLOY WHEEL CLEANER	LUSTER WAX	TRIPLE FOAM BRUSH
BUG OFF	MARINE FLUSH	TRIPLE FOAMING
CLEAR COAT	PRE-SOAK	CONDITIONER
DUR-A-SHIELD	RAIN-X	TURBO VACUUM
ENG/TIRE CLEANER	RAPID DRY	VACUUM
ENGINE CLEANER	RINSE	WASH
FOAM BRUSH	RUBBER PROTECT	WAX
FOAM CONDITIONER	SHAMPOO	WHEEL AND CHROME
FRAGRANCE	SOAP	WHEEL CLEANER
GLOSS WAX	SPOT FREE RINSE	
HIGH PRESSURE RINSE	TIRE CLEANER	

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Automatic Wash Function List (Message that will be scrolled and voiced when a customer selects a carwash function)

TBD	TBD	TBD
TBD	TBD	TBD
TBD	TBD	TBD
TBD	TBD	TBD
TBD	TBD	TBD
TBD	TBD	TBD
TBD	TBD	TBD
TBD	TBD	TBD
TBD	TBD	TBD

Pet Wash Function List (Message that will be scrolled and voiced when a customer selects a pet-wash function)

TBD	TBD	TBD
TBD	TBD	TBD
TBD	TBD	TBD
TBD	TBD	TBD
TBD	TBD	TBD
TBD	TBD	TBD
TBD	TBD	TBD
TBD	TBD	TBD
TBD	TBD	TBD

Vending Function List (Message that will be scrolled and voiced when a customer selects a vend function)

TBD	TBD	TBD
TBD	TBD	TBD
TBD	TBD	TBD
TBD	TBD	TBD
TBD	TBD	TBD
TBD	TBD	TBD
TBD	TBD	TBD
TBD	TBD	TBD
TBD	TBD	TBD

Note: Truck Wash Owners

When the Price per Minute becomes high, it is recommended to use the TIME/COIN conversion Table #1 on the next page.

If you are accepting credit cards only the COIN can be any value less than CRD1 and the TIME amounts can be any value in Table #1.

See Table #1 on the next page showing Valid COIN and TIME setups.

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Table 1

		COIN settings in the STUP menu																										
		\$0.25	\$0.50	\$0.75	\$1.00	\$1.25	\$1.50	\$1.75	\$2.00	\$2.25	\$2.50	\$2.75	\$3.00	\$3.25	\$3.50	\$3.75	\$4.00	\$4.25	\$4.50	\$4.75	\$5.00	\$5.25	\$5.50	\$5.75	\$6.00	\$6.25	\$6.50	
Price per Minute	Seconds per 25c	TIME settings in the STUP menu providing exact TIME/COIN conversions																										
\$3.00	5	00:05	00:10	00:15	00:20	00:25	00:30	00:35	00:40	00:45	00:50	00:55	01:00	01:05	01:10	01:15	01:20	01:25	01:30	01:35	01:40	01:45	01:50	01:55	02:00	02:05	02:10	
\$2.50	6				00:30						01:00					01:30					02:00					02:30		
\$2.14	7				00:35						01:10					01:45					02:20					02:55		
\$1.88	8				00:40						01:20					02:00					02:40					03:20		
\$1.67	9	Common for Truck Washes				00:45						01:30					02:15					03:00					03:45	
\$1.50	10	00:10	00:20	00:30	00:40	00:50	01:00	01:10	01:20	01:30	01:40	01:50	02:00	02:10	02:20	02:30	02:40	02:50	03:00	03:10	03:20	03:30	03:40	03:50	04:00	04:10	04:20	
\$1.36	11				00:55						01:50					02:45					03:40					04:35		
\$1.25	12				01:00						02:00					03:00					04:00					05:00		
\$1.15	13				01:05						02:10					03:15					04:20					05:25		
\$1.07	14				01:10						02:20					03:30					04:40					05:50		
\$1.00	15	00:15	00:30	00:45	01:00	01:15	01:30	01:45	02:00	02:15	02:30	02:45	03:00	03:15	03:30	03:45	04:00	04:15	04:30	04:45	05:00	05:15	05:30	05:45	06:00	06:15	06:30	
\$0.94	16				01:20						02:40					04:00					05:20					06:40		
\$0.88	17				01:25						02:50					04:15					05:40					07:05		
\$0.83	18				01:30						03:00					04:30					06:00					07:30		
\$0.79	19				01:35						03:10					04:45					06:20					07:55		
\$0.75	20	00:20	00:40	01:00	01:20	01:40	02:00	02:20	02:40	03:00	03:20	03:40	04:00	04:20	04:40	05:00	05:20	05:40	06:00	06:20	06:40	07:00	07:20	07:40	08:00	08:20	08:40	
\$0.71	21				01:45						03:30					05:15					07:00					08:45		
\$0.68	22				01:50						03:40					05:30					07:20					09:10		
\$0.65	23				01:55						03:50					05:45					07:40					09:35		
\$0.63	24				02:00						04:00					06:00					08:00					10:00		
\$0.60	25	00:25	00:50	01:15	01:40	02:05	02:30	02:55	03:20	03:45	04:10	04:35	05:00	05:25	05:50	06:15	06:40	07:05	07:30	07:55	08:20	08:45	09:10	09:35	10:00	10:25	10:50	
\$0.58	26				02:10						04:20					06:30					08:40					10:50		
\$0.56	27				02:15						04:30					06:45					09:00					11:15		
\$0.54	28				02:20						04:40					07:00					09:20					11:40		
\$0.52	29	Common for Car Washes				02:25						04:50					07:15					09:40					12:05	
\$0.50	30	00:30	01:00	01:30	02:00	02:30	03:00	03:30	04:00	04:30	05:00	05:30	06:00	06:30	07:00	07:30	08:00	08:30	09:00	09:30	10:00	10:30	11:00	11:30	12:00	12:30	13:00	
\$0.48	31				02:35						05:10					07:45					10:20					12:55		
\$0.47	32				02:40						05:20					08:00					10:40					13:20		
\$0.45	33				02:45						05:30					08:15					11:00					13:45		
\$0.44	34				02:50						05:40					08:30					11:20					14:10		
\$0.43	35	00:35	01:10	01:45	02:20	02:55	03:30	04:05	04:40	05:15	05:50	06:25	07:00	07:35	08:10	08:45	09:20	09:55	10:30	11:05	11:40	12:15	12:50	13:25	14:00	14:35	15:10	
\$0.42	36				03:00						06:00					09:00					12:00					15:00		
\$0.41	37				03:05						06:10					09:15					12:20					15:25		
\$0.39	38				03:10						06:20					09:30					12:40					15:50		
\$0.38	39				03:15						06:30					09:45					13:00					16:15		
\$0.38	40	00:40	01:20	02:00	02:40	03:20	04:00	04:40	05:20	06:00	06:40	07:20	08:00	08:40	09:20	10:00	10:40	11:20	12:00	12:40	13:20	14:00	14:40	15:20	16:00	16:40	17:20	
\$0.37	41				03:25						06:50					10:15					13:40					17:05		
\$0.36	42				03:30						07:00					10:30					14:00					17:30		
\$0.35	43				03:35						07:10					10:45					14:20					17:55		
\$0.34	44				03:40						07:20					11:00					14:40					18:20		
\$0.33	45	00:45	01:30	02:15	03:00	03:45	04:30	05:15	06:00	06:45	07:30	08:15	09:00	09:45	10:30	11:15	12:00	12:45	13:30	14:15	15:00	15:45	16:30	17:15	18:00	18:45	19:30	
\$0.33	46				03:50						07:40					11:30					15:20					19:10		
\$0.32	47				03:55						07:50					11:45					15:40					19:35		
\$0.31	48				04:00						08:00					12:00					16:00					20:00		
\$0.31	49				04:05						08:10					12:15					16:20					20:25		
\$0.30	50	00:50	01:40	02:30	03:20	04:10	05:00	05:50	06:40	07:30	08:20	09:10	10:00	10:50	11:40	12:30	13:20	14:10	15:00	15:50	16:40	17:30	18:20	19:10	20:00	20:50	21:40	
\$0.29	51				04:15						08:30					12:45					17:00					21:15		
\$0.29	52				04:20						08:40					13:00					17:20					21:40		
\$0.28	53				04:25						08:50					13:15					17:40					22:05		
\$0.28	54				04:30						09:00					13:30					18:00					22:30		
\$0.27	55	00:55	01:50	02:45	03:40	04:35	05:30	06:25	07:20	08:15	09:10	10:05	11:00	11:55	12:50	13:45	14:40	15:35	16:30	17:25	18:20	19:15	20:10	21:05	22:00	22:55	23:50	
\$0.27	56				04:40						09:20					14:00					18:40					23:20		
\$0.26	57				04:45						09:30					14:15					19:00					23:45		
\$0.26	58				04:50						09:40					14:30					19:20					24:10		
\$0.25	59				04:55						09:50					14:45					19:40					24:35		
\$0.25	60	01:00	02:00	03:00	04:00	05:00	06:00	07:00	08:00	09:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00	24:00	25:00	26:00	

- GRAC Grace time. This is the amount of time after a wash cycle completes that a customer can insert money and the wash will restart
- GREE Program a custom greeting message, or select the default message. (Default message selected when custom is not programmed).

Insert a character at the curser position.

NOTE: Data entry with the remote keypad operates using the same method as phone text messaging.



- 1 button: 1st press: "space" 2nd press: "1"
- 2 button: 1st press: "A" 2nd press: "B" 3rd press: "C" 4th press: "2"
- 3 button: 1st press: "D" 2nd press: "E" 3rd press: "F" 4th press: "3"
- 4 button: 1st press: "G" 2nd press: "H" 3rd press: "I" 4th press: "4"
- 5 button: 1st press: "J" 2nd press: "K" 3rd press: "L" 4th press: "5"
- 6 button: 1st press: "M" 2nd press: "N" 3rd press: "O" 4th press: "6"
- 7 button: 1st press: "P" 2nd press: "Q" 3rd press: "R" 4th press: "S" 5th press: "7"
- 8 button: 1st press: "T" 2nd press: "U" 3rd press: "V" 4th press: "8"
- 9 button: 1st press: "W" 2nd press: "X" 3rd press: "Y" 4th press: "Z" 5th press: "9"

BONUS MENU "BONS"

Sets up Customer Carwash Bonuses method

TIME Amount of additional time that will be added to an active wash cycle for each coin entered. Bonus time will only be added when the total amount of coins entered reaches/exceeds the programmed value on [DLAY].

DLAY Amount of coins entered to activate the bonus feature.

LOTO Lottery feature. A winner is determined after a customer's initial insertion of a quarter, bill, or credit card swipe. A winner will receive the amount they inserted + the [SET-UP]:[COIN] amount. A win will result in the display flashing "YOU WIN \$X.XX" and the horn beeping.

Odds are set for COIN, BILL, and/or CARD.

ODDS Select the odds of winning (2:1, 5:1, 10:1, 25:1, 50:1, 75:1, 100:1 and 200:1). The odds of winning are accurately random.

DISC Discount card value. If a customer swipes a valid discount card they will receive the amount of money programmed. NOTE: The discount card is programmed with an expiration date and the carwash owners Account ID. The card is accepted only if it is not expired and the ID matches the Timers ID

COUNTER MENU “CNTR”

View Coin, Bill and Credit Card Counts and the number of times the Washdown was used.

COIN	Display the amount of quarters entered (Timer will rollover to 0000 when 10,000 is reached)
BILL	Display the amount of quarters, representing the equivalent bill value (Timer will rollover to 0000 when 10,000 is reached)
CARD	Display the amount of quarters, representing the equivalent credit card charges (Timer will rollover to 0000 when 10,000 is reached)
WASH	Display the number of times the “Wash Down” feature has been performed (Timer will rollover to 0000 when 10,000 is reached)
TOTL	Display the total of COIN, BILL and CARD (Timer will rollover to 0000 when 10,000 is reached)

SYSTEM MENU “SYST”

Sets up system function, unit type and unit number.

HOST	Configures HOST as: SELF-Self Service Carwash, AUTO-Automatic Carwash, PET-Pet Wash, VEND-Vend. (Future). Also allows you to Print the Current Configuration.
DIR	Determines how the Timer displays the money inserted. “UP” will count up from \$0.00; “DOWN” will count down beginning from the amount programmed in [SET-UP]:[COIN]
TYPE	Determines the method of output control: ROTARY ONLY A Rotary switch is wired to the Timer and the function solenoids/relays. ROTARY W/TRIAC A Rotary switch is wired to the Timer and a Distribution Board is incorporated (See Note). PUSHBUTTON W/TRIAC A Pushbutton switch array is wired to the Timer and a Distribution Board is incorporated (See Note). KEYPAD W/TRIAC A Keypad switch is ribbon cabled to the Timer and a Distribution Board is incorporated (See Note).

Note: A Distribution Board is a device that is wired to the solenoids/relays, enabling the Timer to control the functions directly. The Timer communicates over a single cable to the Distribution Board which can be remotely located anywhere in the Carwash building, thus reducing the length of wiring with the solenoids/relays.

ALRM	Sets up unused Function Inputs Pins 12(AL12), 13(AL13), 14(AL14) and, 15(AL15) (on connector P63) as Alarms. Alarms are displayed and sent to PaymentBay.com.
------	---

Each Alarm Input Pin 12-15 is set as

NONE = no alarm is available for the Pin

LOW = Activates with loss of 24 VAC Hot

HIGH = Activates when pin gets pulled to 24 VAC Hot

Delay setting 00:00 to 20:00, activates after delay setting

Summary of all ALARMS

Code-12 =	Wired alarm Pin #12 of Conn P63	used w/ ROTORY or Automatic
Code-13 =	Wired alarm Pin #13 of Conn P63	used w/ ROTORY or Automatic
Code-14 =	Wired alarm Pin #14 of Conn P63	used w/ ROTORY, Push Button or Automatic
Code-15 =	Wired alarm Pin #08 of Conn P61	used with Push Button or Automatic
Code-16 =	Coin input is stuck	
Code-17 =	Dollar input is stuck	
Code-18 =	TBD	Future
Code-19 =	TBD	Future
Code-20 =	Distribution Board not Communicating	
GAIN	Adjusts the Modem Attenuation to -8dB, -9dB, -10dB or -11dB. Default is -8dB (the higher the number the less the gain). See appendix	
PAS1	Program the "Wash Down" password	
PAS2	Program the password used to gain access to the programming mode	
NAM1	Receipt Header. 1 st Line of the Merchant/Business name on the Credit Card printed receipt.	
NAM2	Receipt Header. 2 nd Line of the Merchant/Business name on Receipt.	

Insert a character at the curser position.

NOTE: Data entry with the remote keypad operates using the same method as phone text messaging.

1 button: 1 st press: "space"	2 nd press: "1"			
2 button: 1 st press: "A"	2 nd press: "B"	3 rd press: "C"	4 th press: "2"	
3 button: 1 st press: "D"	2 nd press: "E"	3 rd press: "F"	4 th press: "3"	
4 button: 1 st press: "G"	2 nd press: "H"	3 rd press: "I"	4 th press: "4"	
5 button: 1 st press: "J"	2 nd press: "K"	3 rd press: "L"	4 th press: "5"	
6 button: 1 st press: "M"	2 nd press: "N"	3 rd press: "O"	4 th press: "6"	
7 button: 1 st press: "P"	2 nd press: "Q"	3 rd press: "R"	4 th press: "S"	5 TH press: "7"
8 button: 1 st press: "T"	2 nd press: "U"	3 rd press: "V"	4 th press: "8"	
9 button: 1 st press: "W"	2 nd press: "X"	3 rd press: "Y"	4 th press: "Z"	5 TH press: "9"



CATG	Select from a list of descriptions identifying what the Timer is used for: (BAY, VAC, VEND, Specials)
RF	Normally not used --Channel address of the RF transceiver
VOL	Select the audio volume (00=off, 15= maximum). The level selected will be voiced as CH-/+ are pressed
LANG	Determine how the Timer's speaks. (English only, Spanish only, English then Spanish, or Spanish then English)
ZONE	Select the time zone where the timer is located (Pacific, Mountain, Central, Eastern)
DATE	Not required to program
YEAR	Not required to program
TIME	Not required to program

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MERCHANT MENU “MCHT”

Sets the Unit up for Credit Card processing

PHONE	Not required to program
PREX	Select the dial-out prefix [NONE], [1-], [9-], [9-1-]
USER	View. Initially setup by swiping Merchant Card.
ACCT	View. Initially setup by swiping Merchant Card.
CARD	
AMEX	Program ON/OFF
DISC	Program ON/OFF
MAST	Program ON/OFF Defaults ON
VISA	Program ON/OFF Defaults ON
TRAN	Not required to program. Defaults to AGG
CHRG	Not required to program. Defaults to Live

PRINTING A CREDIT CARD RECEIPT

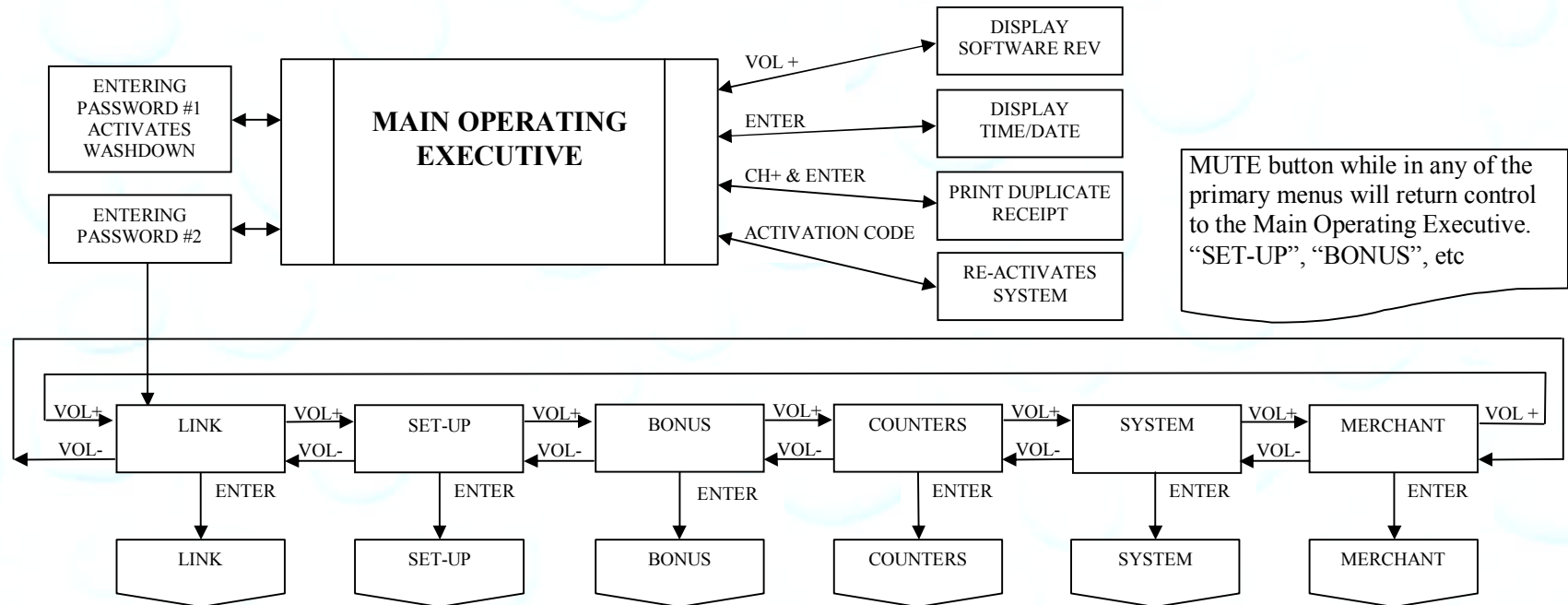
If a printer is connected to the Terminal a receipt is printed each time a Wash is completed using a Credit Card.

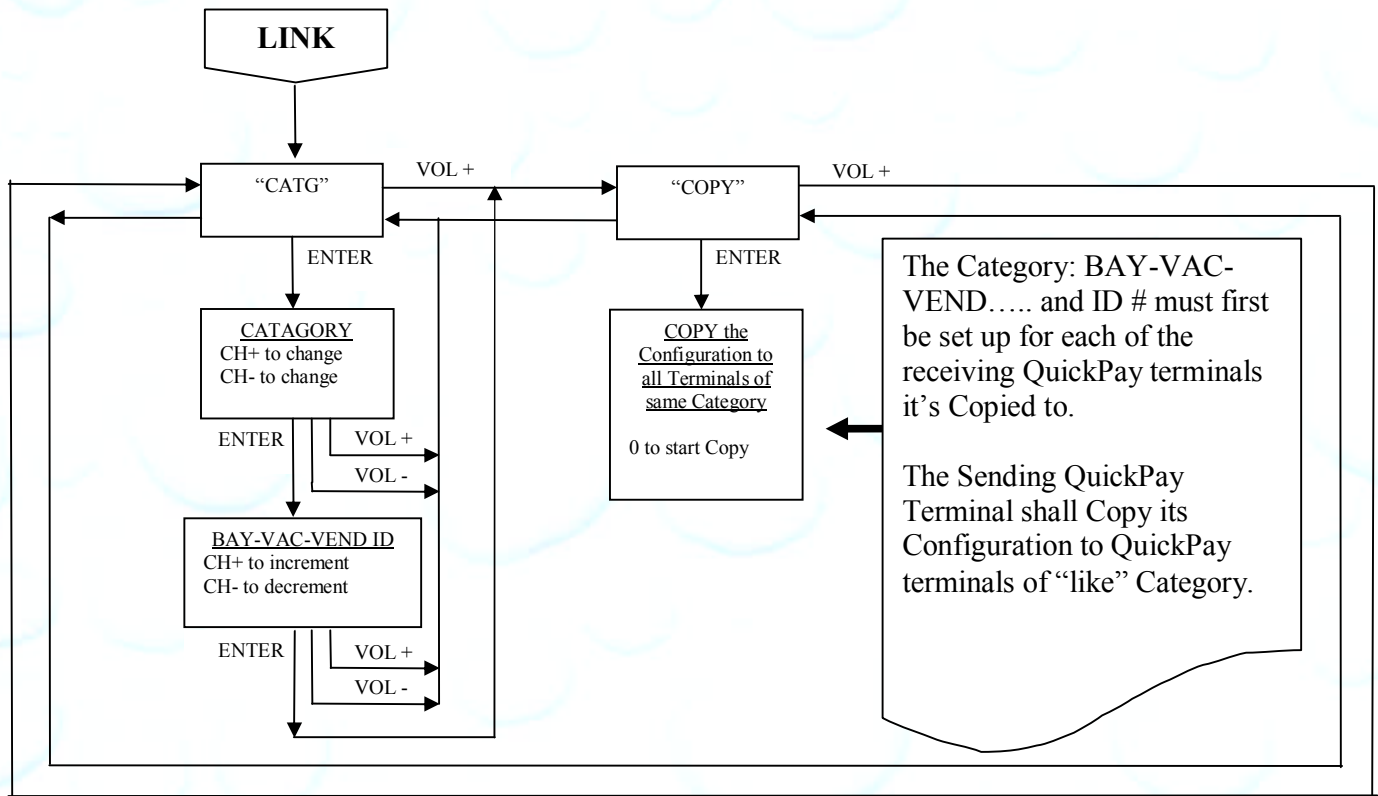
The last Credit Card transaction may be printed at any time if you Push CH+ and then Push Enter on the remote. This is helpful if you run out of paper and wish to print the last receipt.

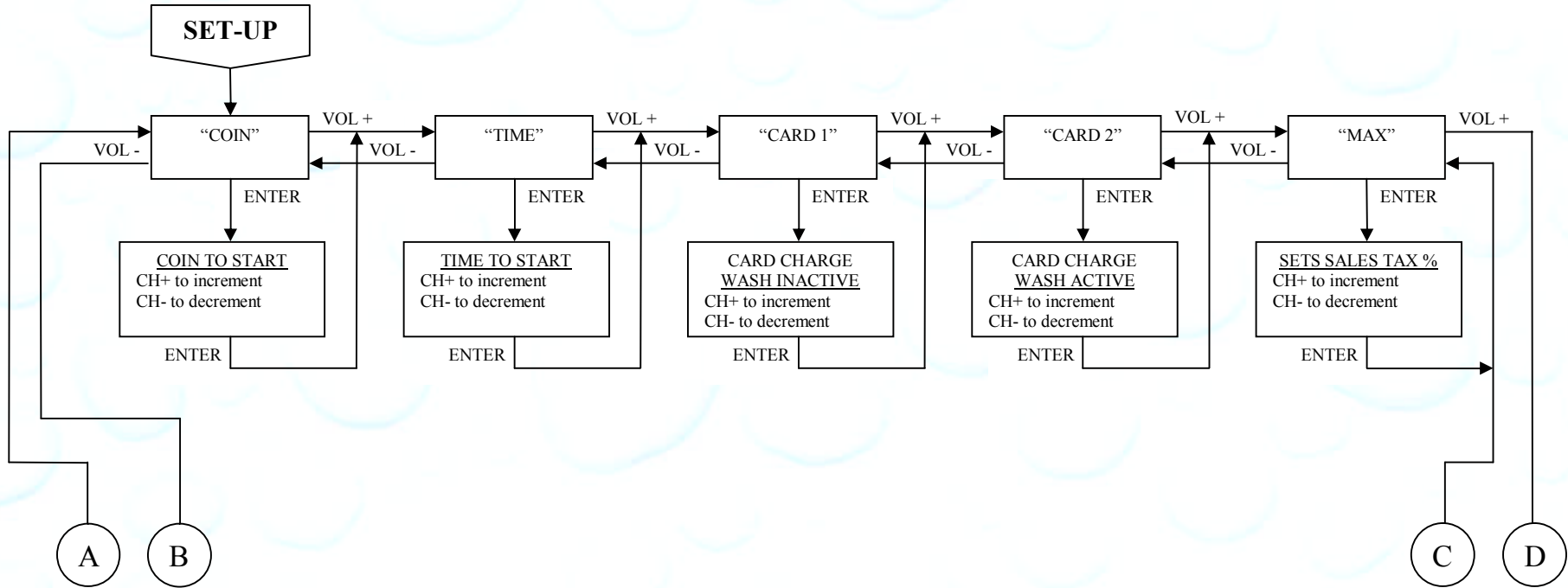
Using the IR REMOTE (TV remote) to Setup the Quick Pay Unit.

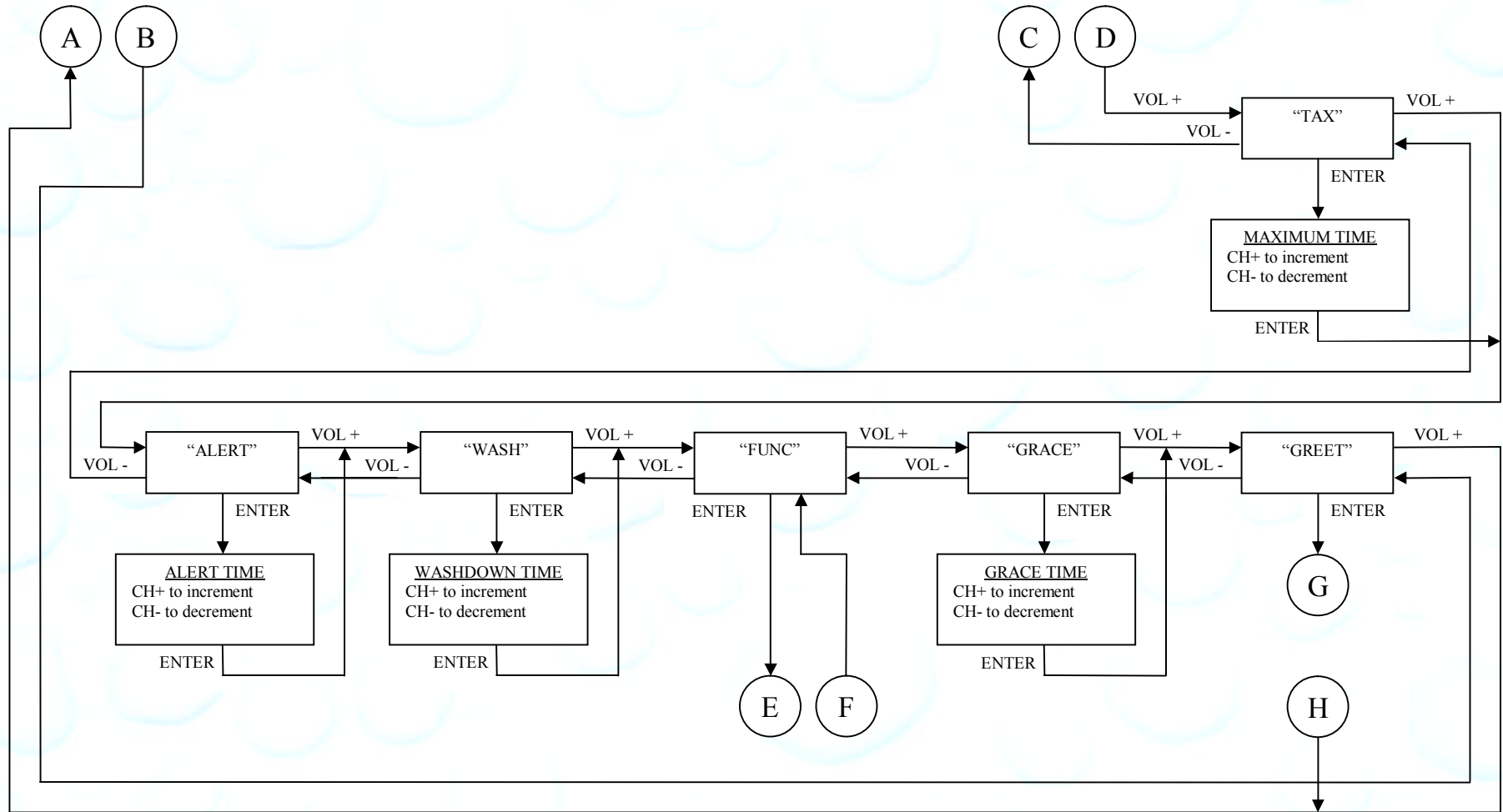
When the Quick Pay unit is powered up it is in the “Main Operating Executive” ready to accept credit cards, coins or dollars.

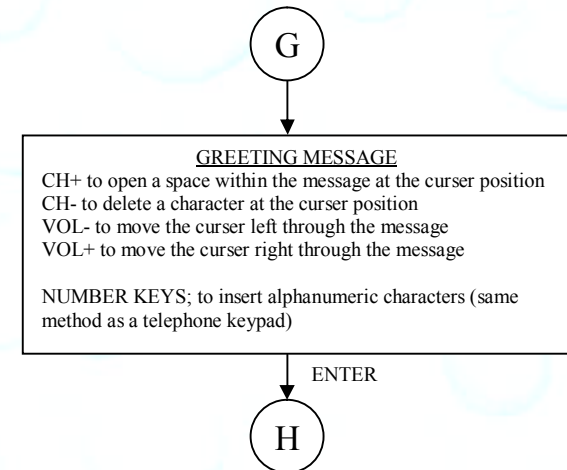
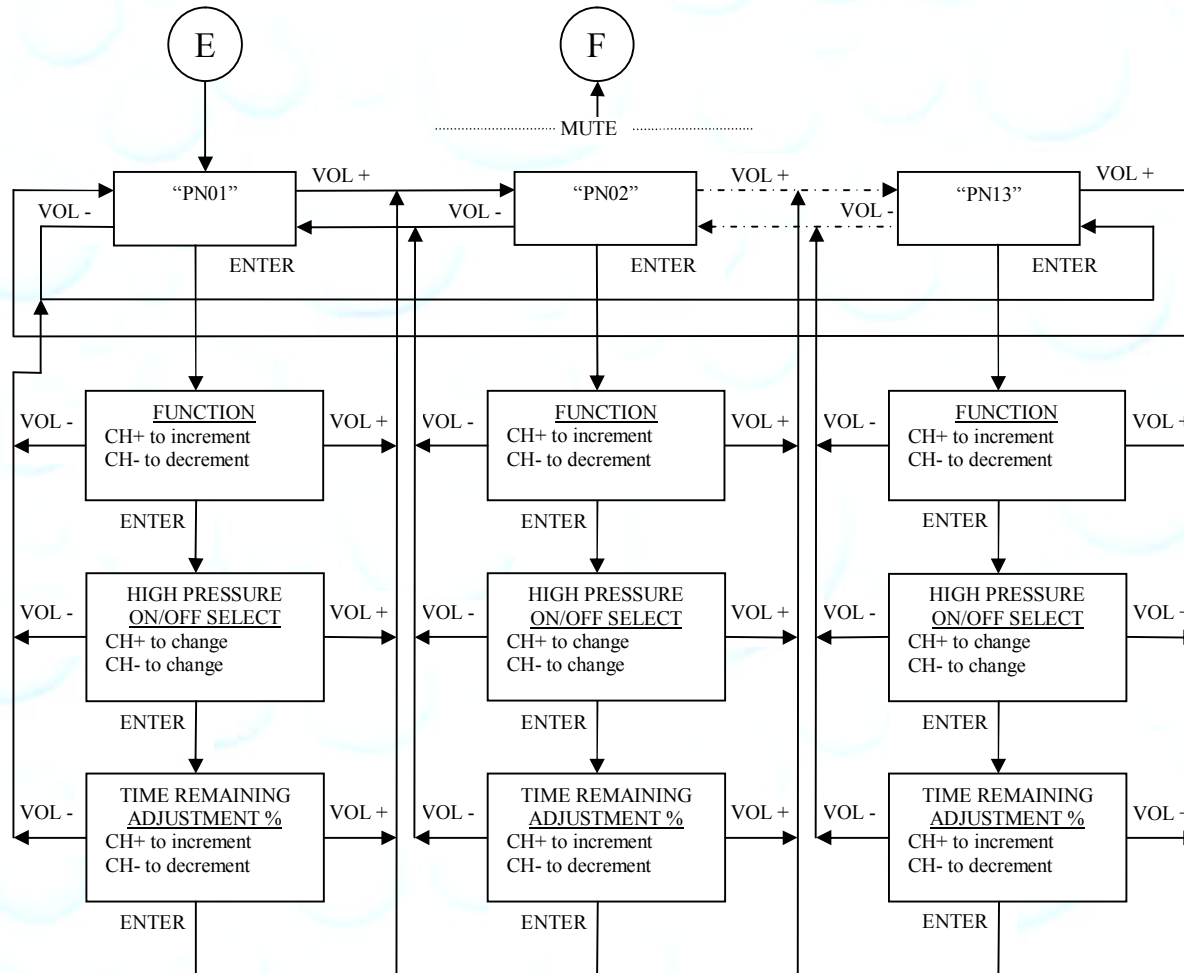
- To enter Wash Down enter 1st password, [Enter].
- To change program unit enter 2nd password, [Enter] (default password is 1234, [Enter]).
- To Display Revision Pushing [VOL+]
- To Display Time/Date Push [Enter]
- To Print a duplicate Credit Card Receipt Push [CH+] and then Push [Enter]
- To Re-Activate Quick Pay System enter five (5) digit Activation Code.











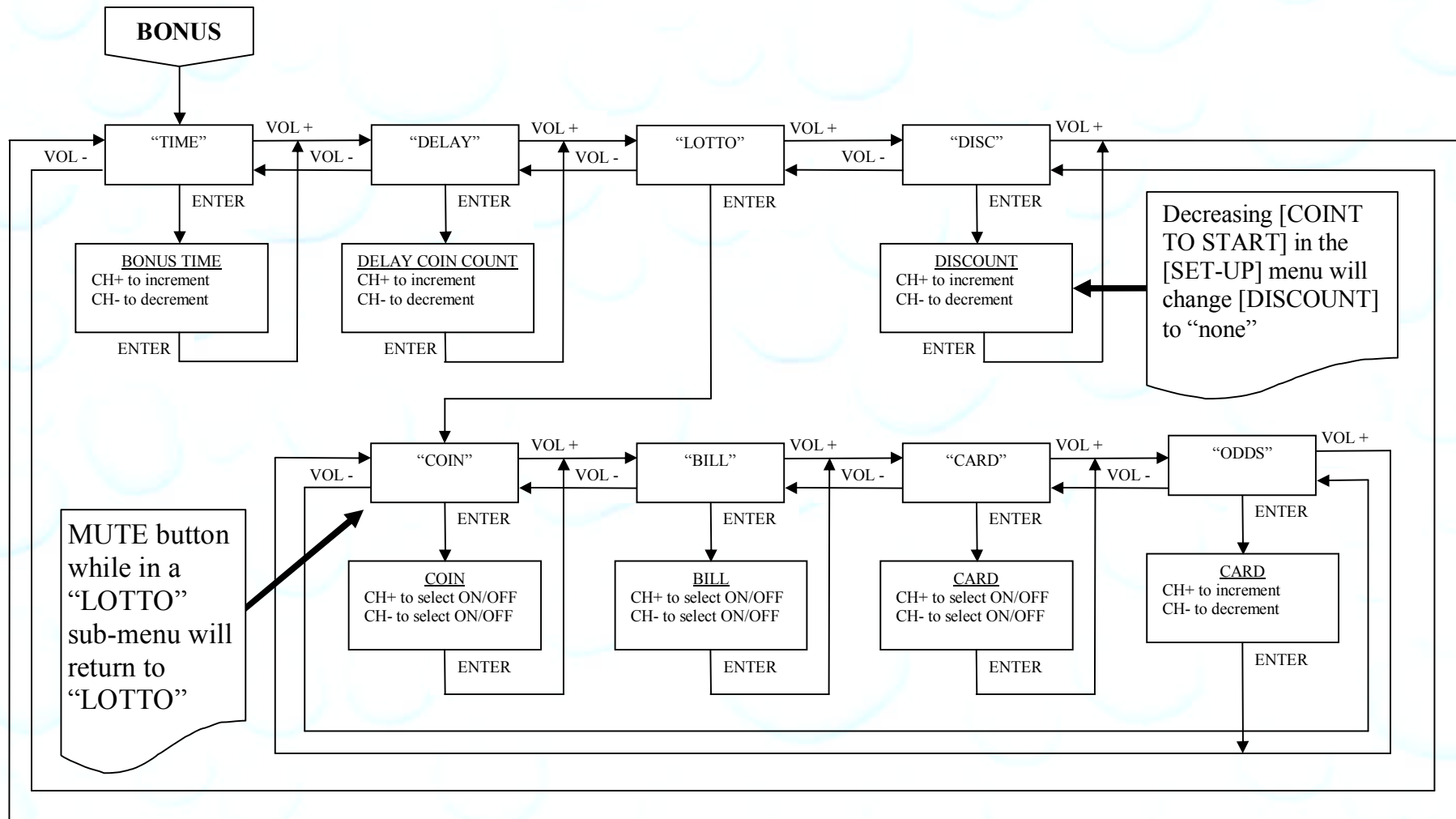
FUNCTION

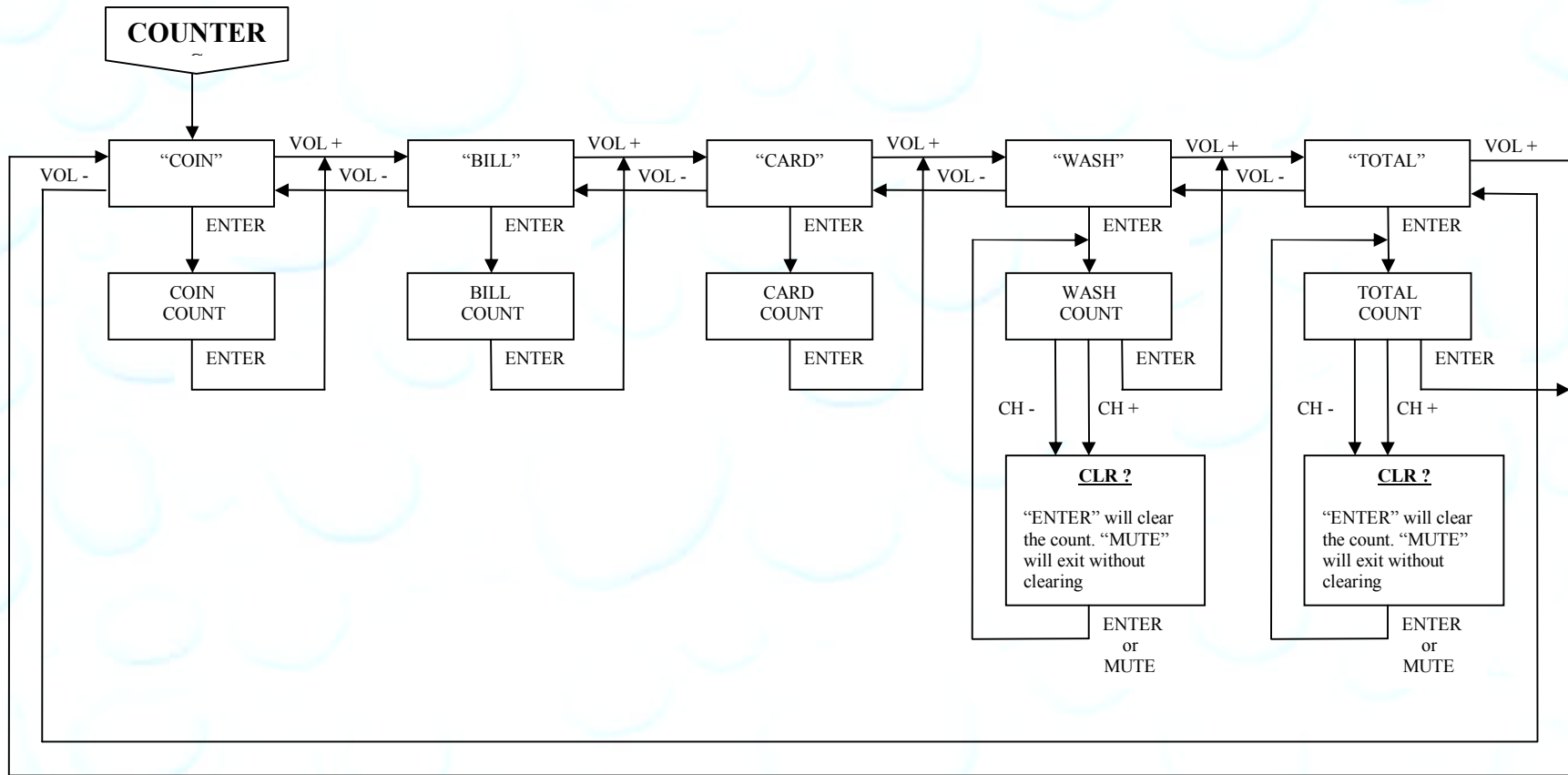
- 1) Pressing <MUTE> while displaying [PNxx] will redirect back to [FUNCT]
- 2) CH+ and CH- step through the function list

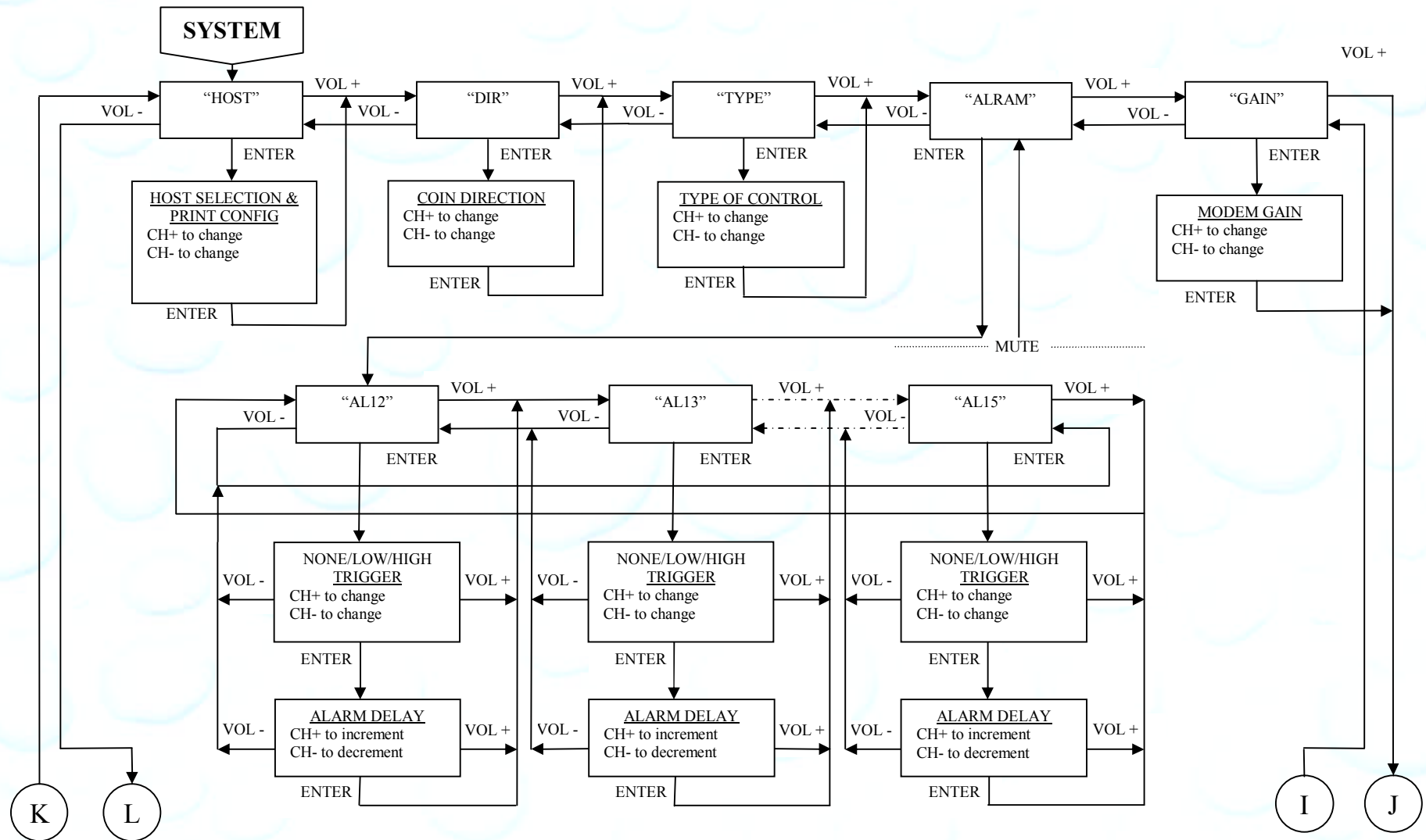
FUNCTION LIST

ALLOY WHEEL CLEANER	RAPID DRY
BUG OFF	RINSE
CLEAR COAT	RUBBER PROTECT
DUR-A-SHIELD	SHAMPOO
ENG/TIRE CLEANER	SOAP
ENGINE CLEANER	SPOT FREE RINSE
FOAM BRUSH	TIRE CLEANER
FOAM CONDITIONER	TRIPLE FOAM BRUSH
FRAGRANCE	TRIPLE FOAMING CONDITIONER
GLOSS WAX	TURBO VACUUM
HIGH PRESSURE RINSE	VACUUM
LUSTER WAX	WASH
MARINE FLUSH	WAX
PRE-SOAK	WHEEL AND CHROME
RAIN-X	WHEEL CLEANER

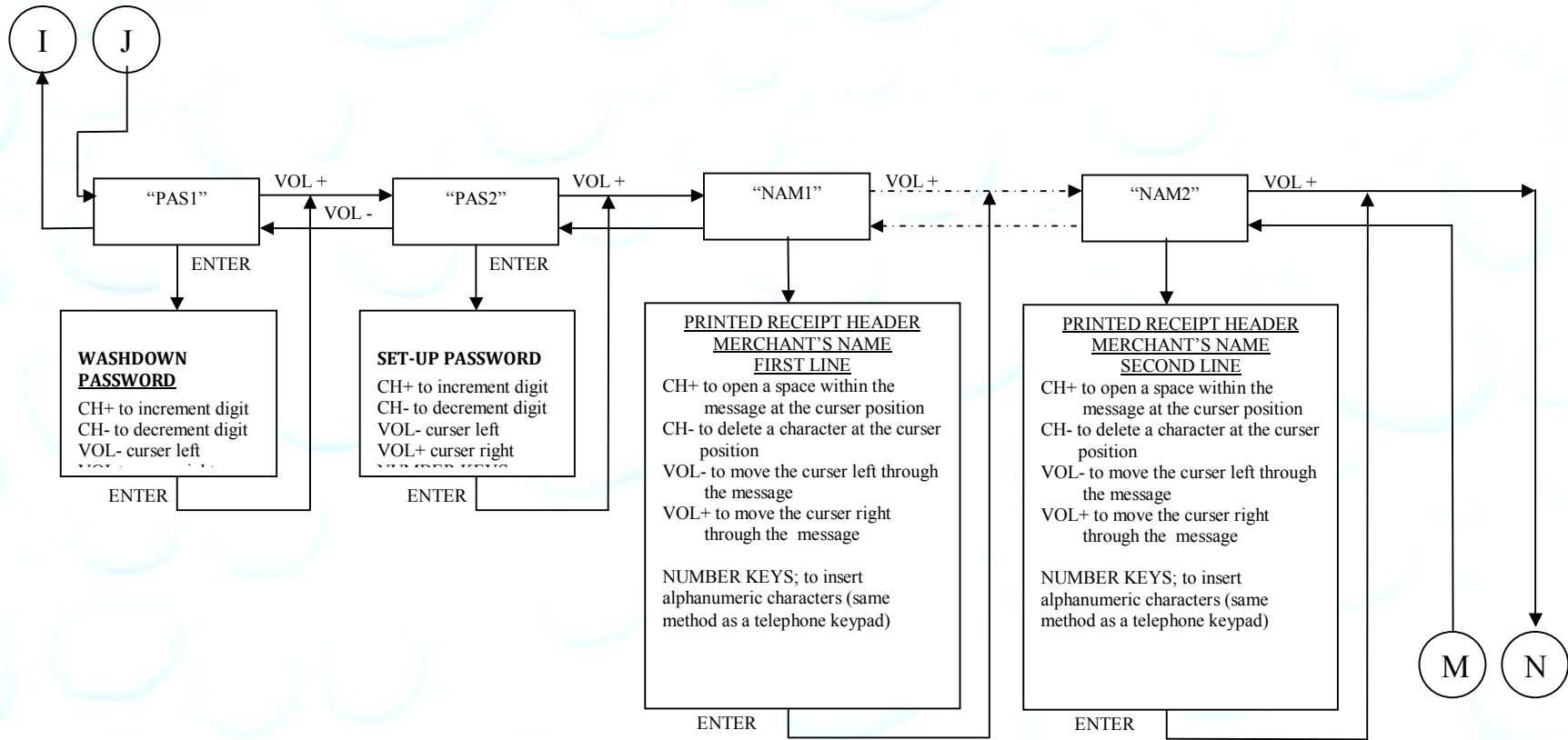
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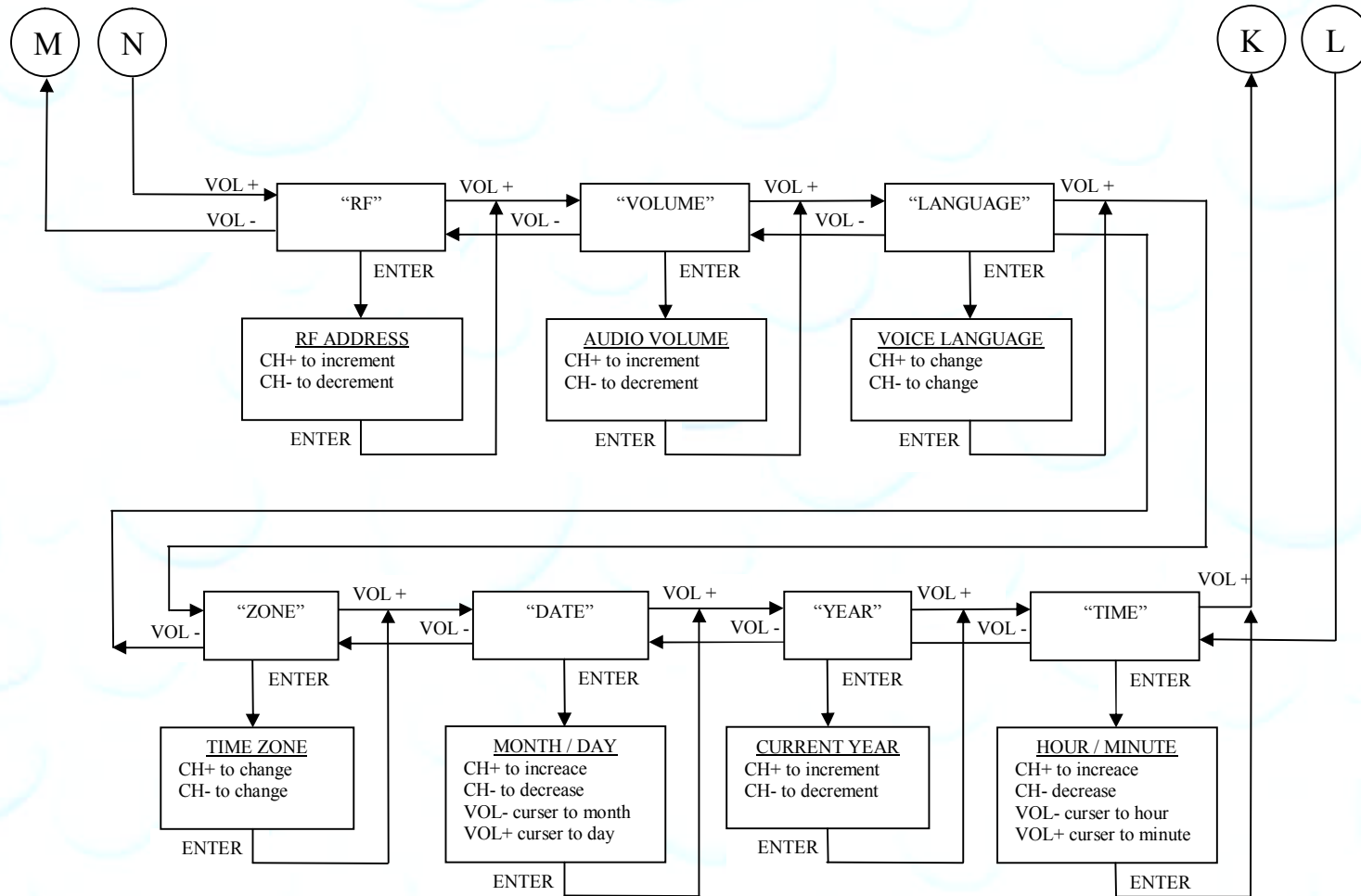


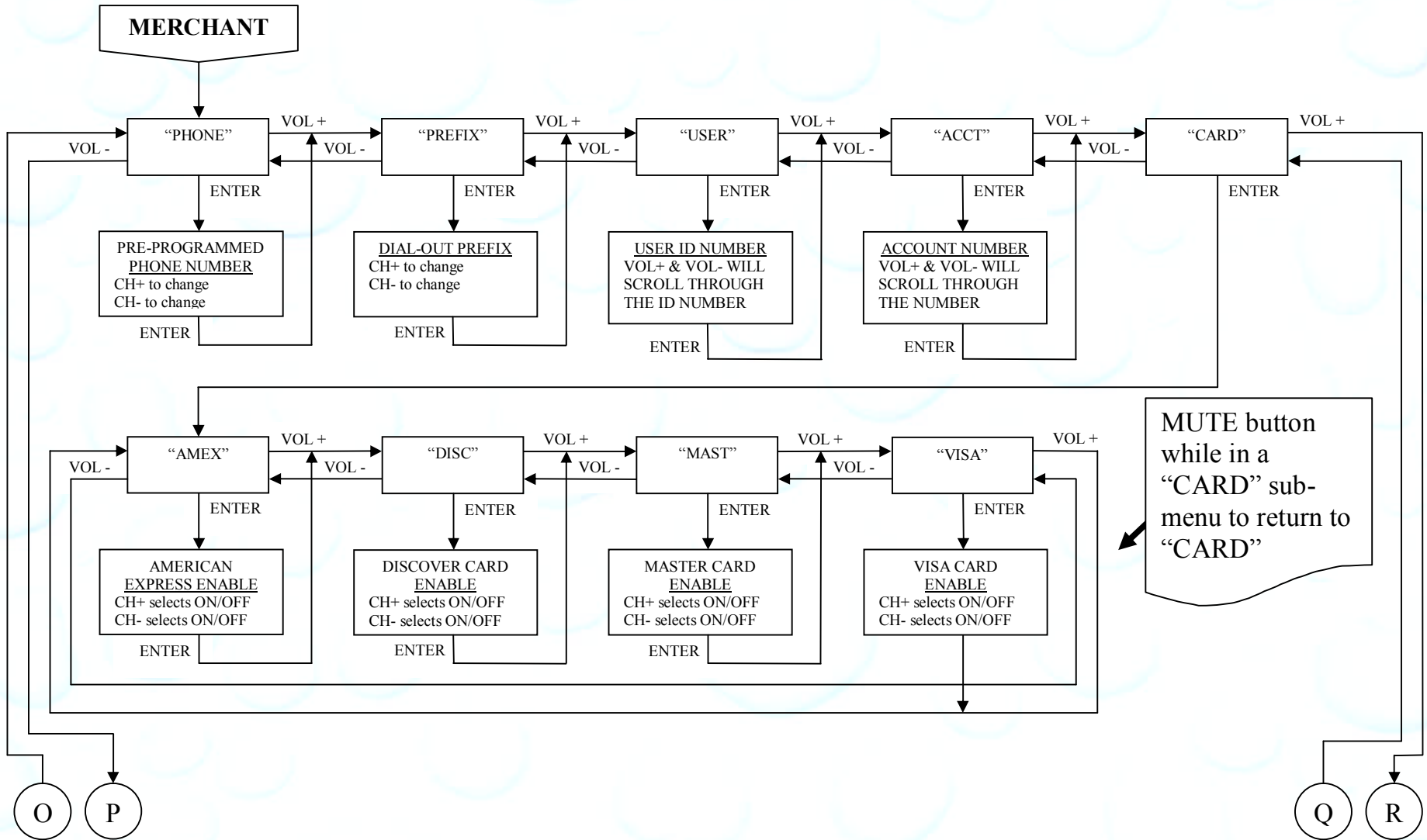




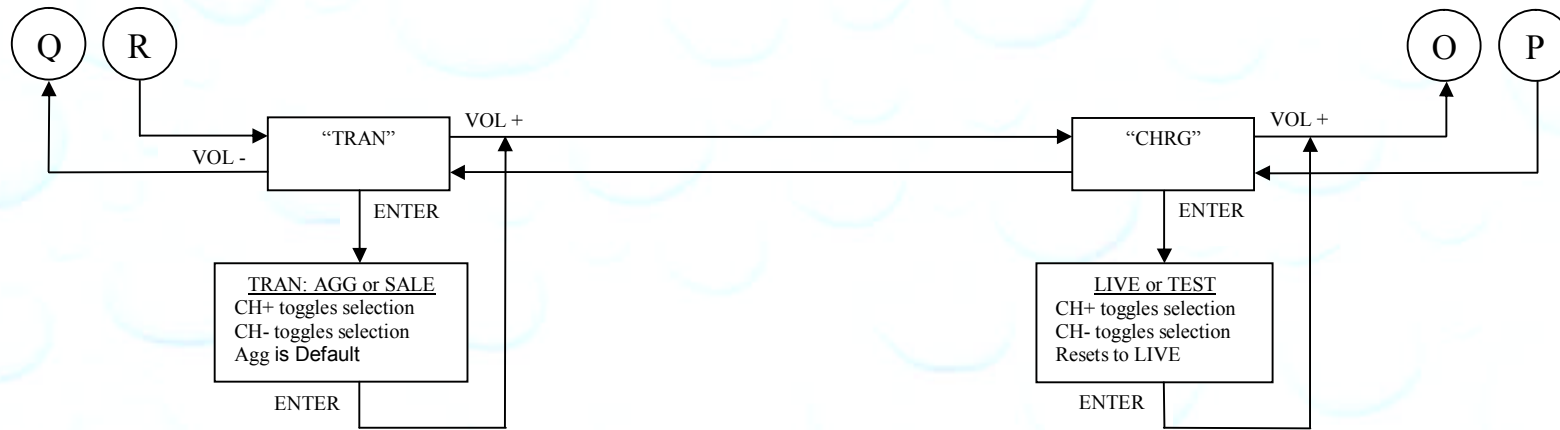
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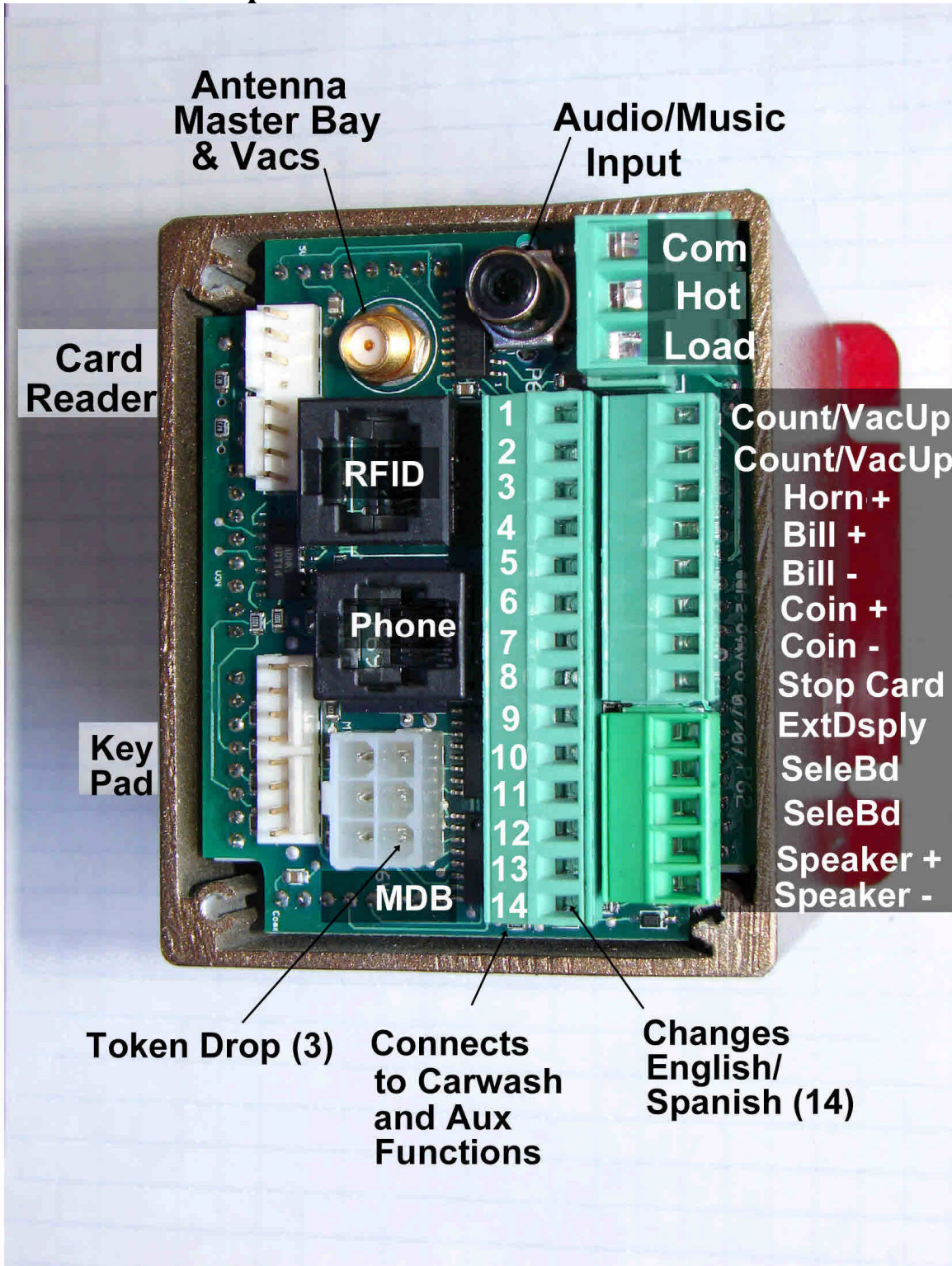




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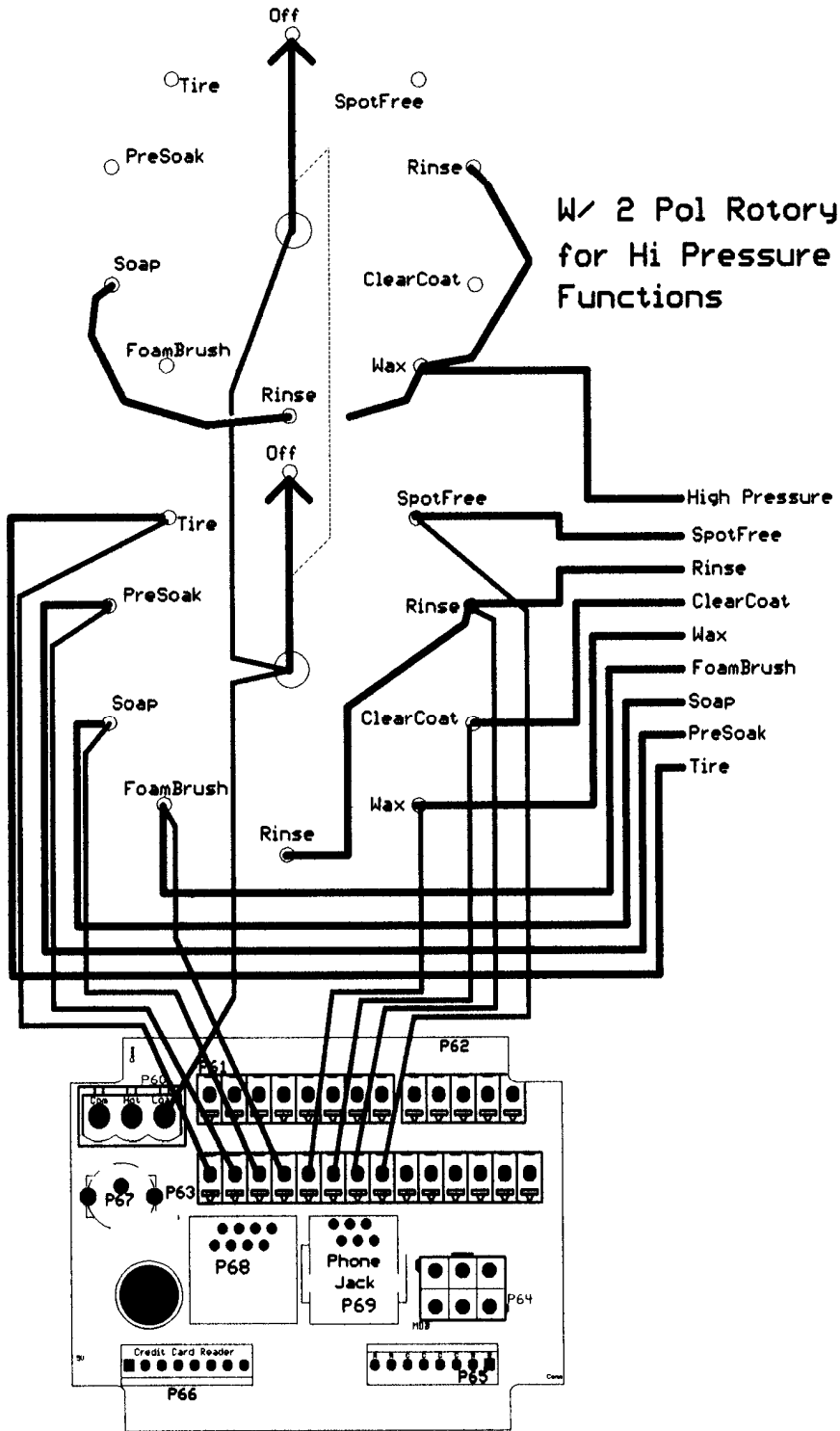


Connector description:



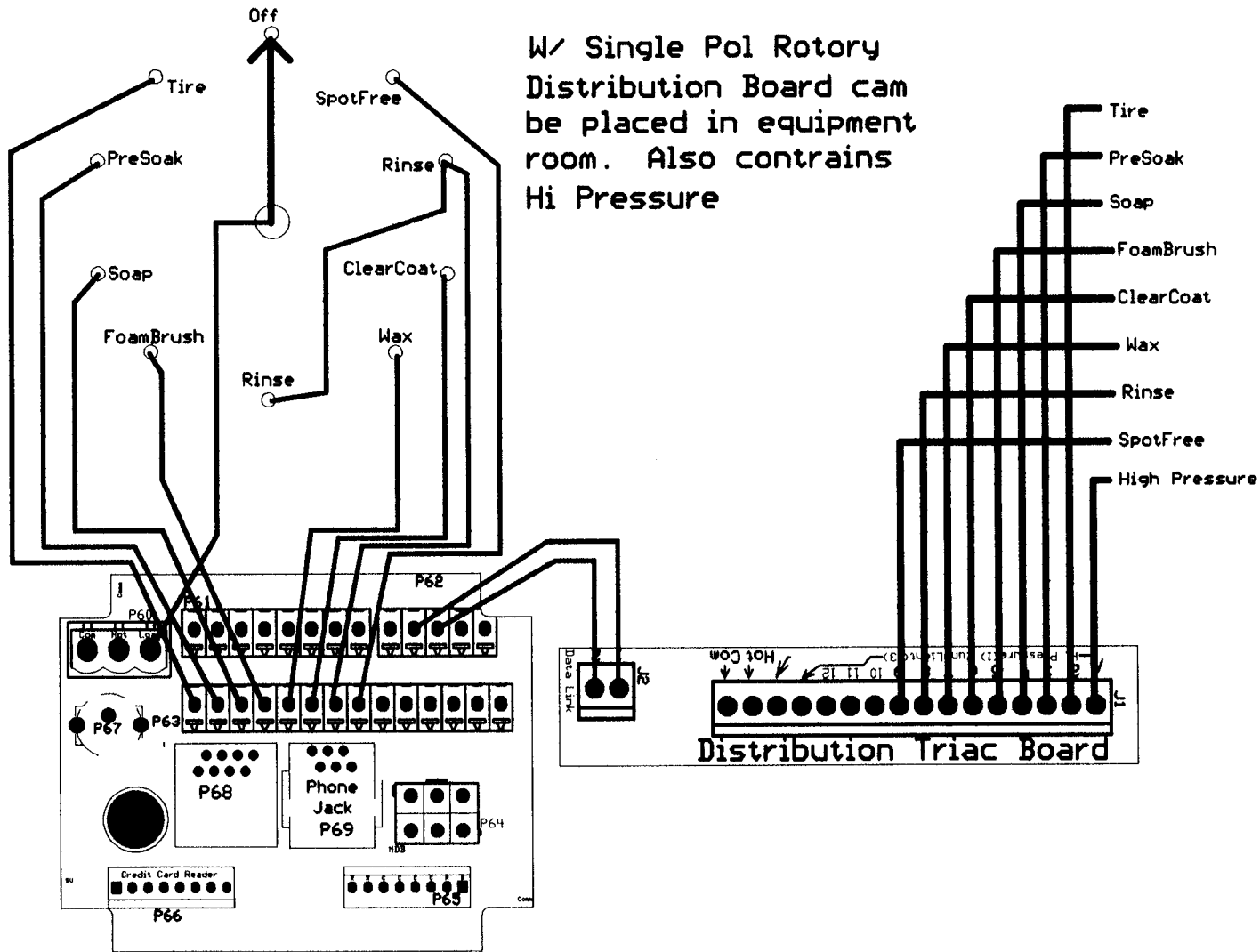
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Wiring Configurations showing specific switch connections:



Basic Two Stack Rotary

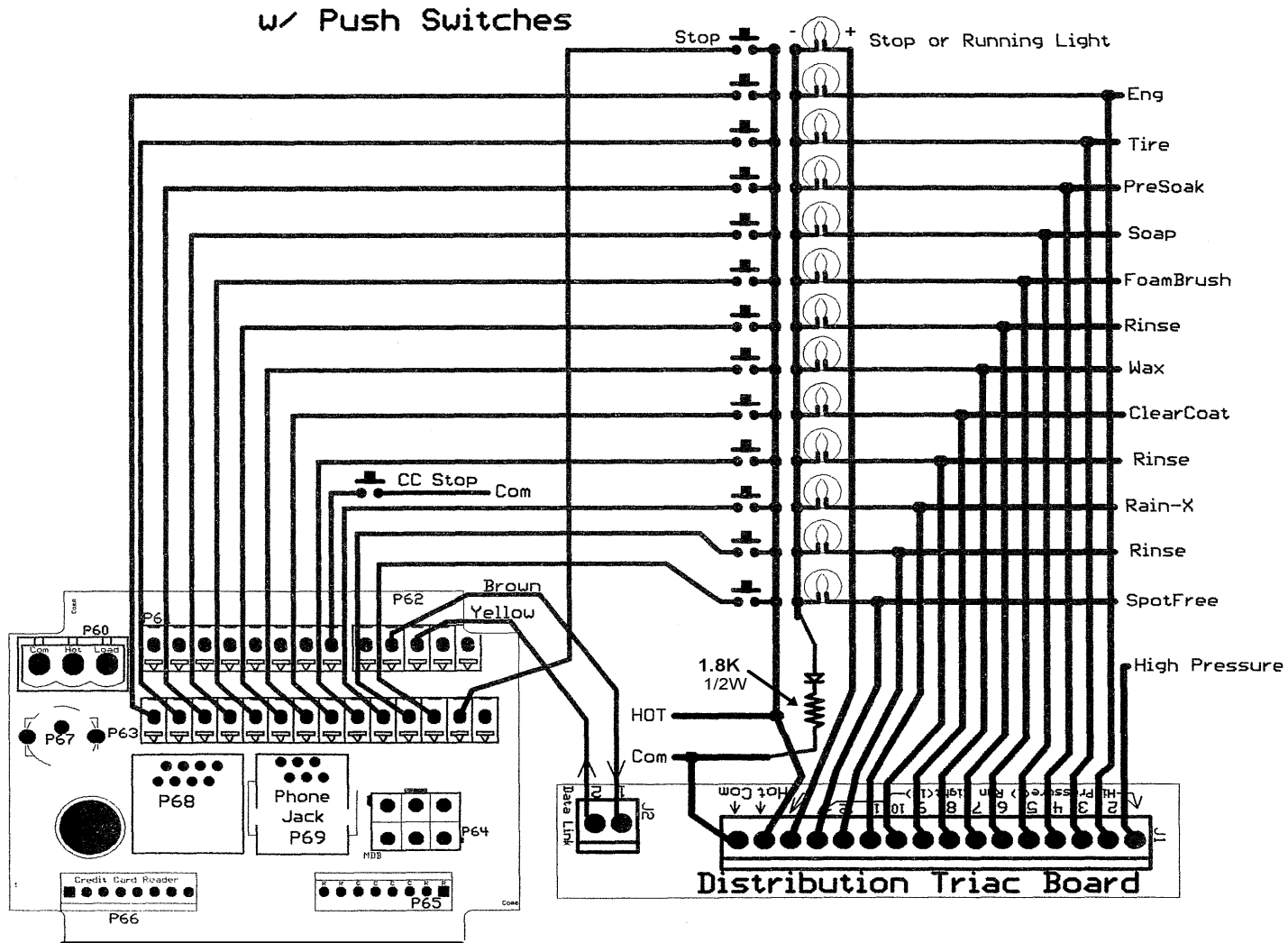
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W/ Single Pol Rotary
Distribution Board can
be placed in equipment
room. Also contrains
Hi Pressure

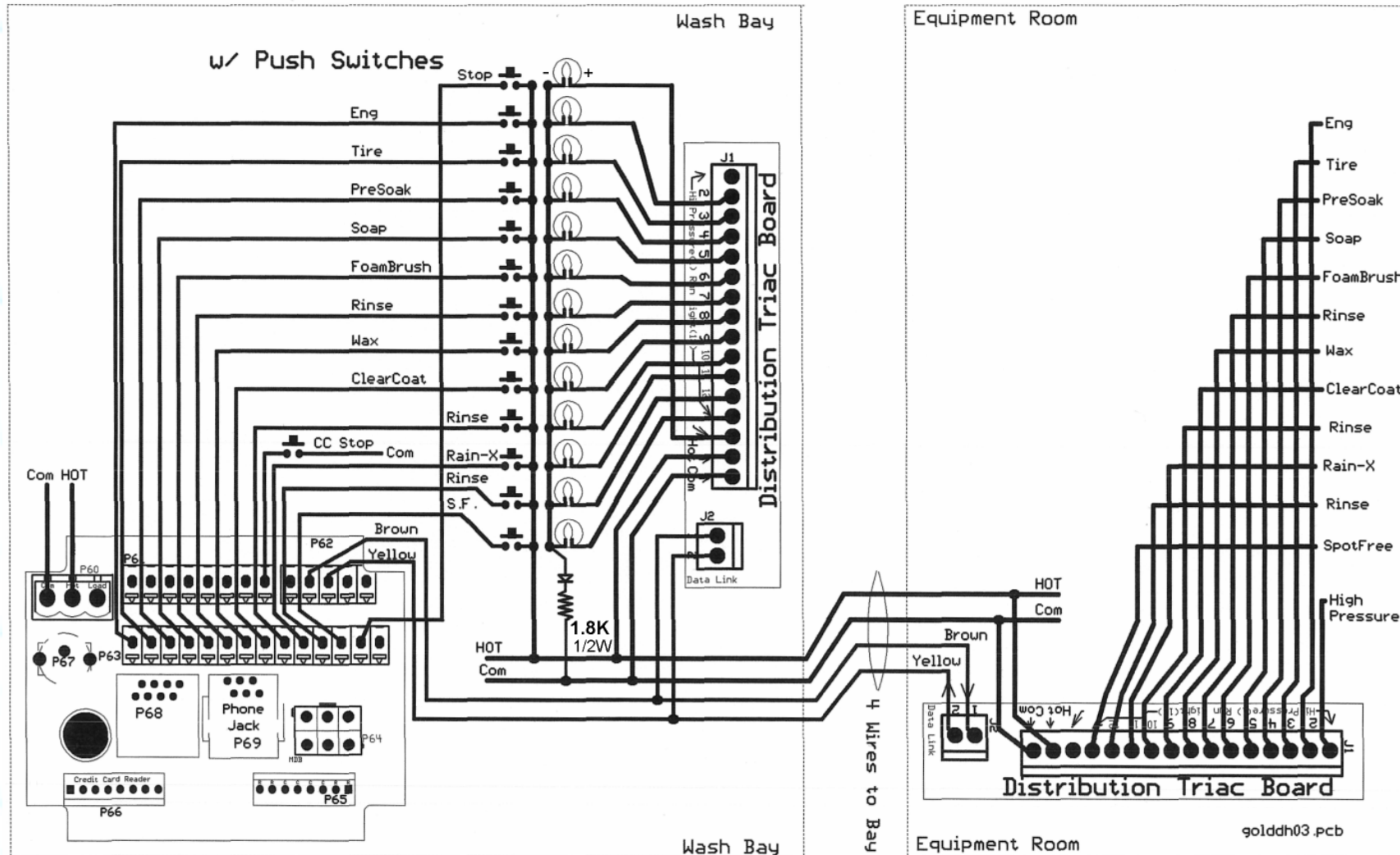
Single Stack Rotary

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Push Button with Distribution Board Also replaces [Touch Select I]

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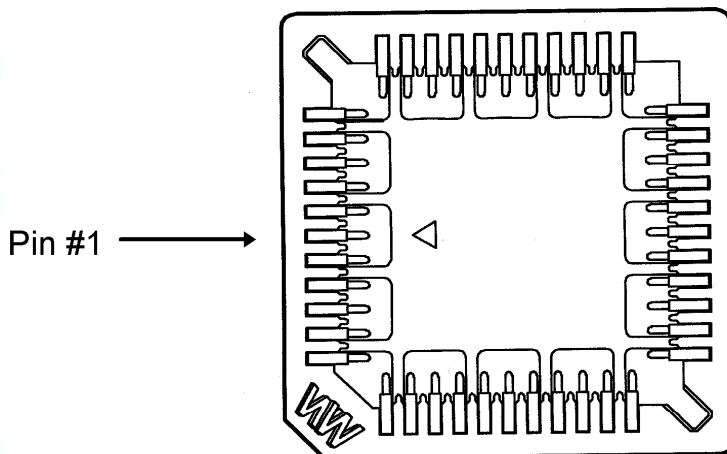
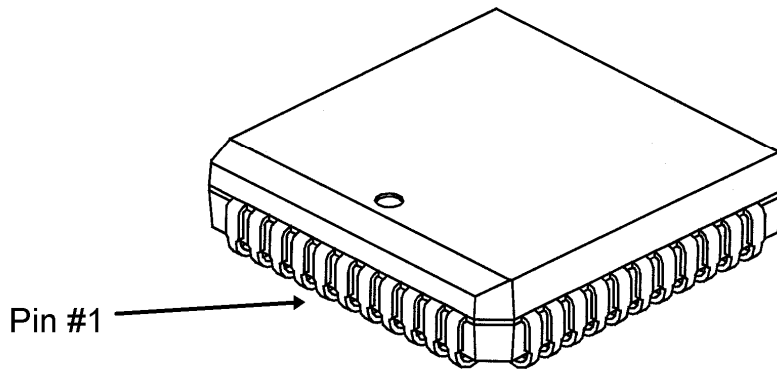


Push Button with Distribution Board: Also replaces [Touch Select II Display] in Meter Box.
 And can be used with an existing [Touch Select II Controller Distribution Board] in equipment room.

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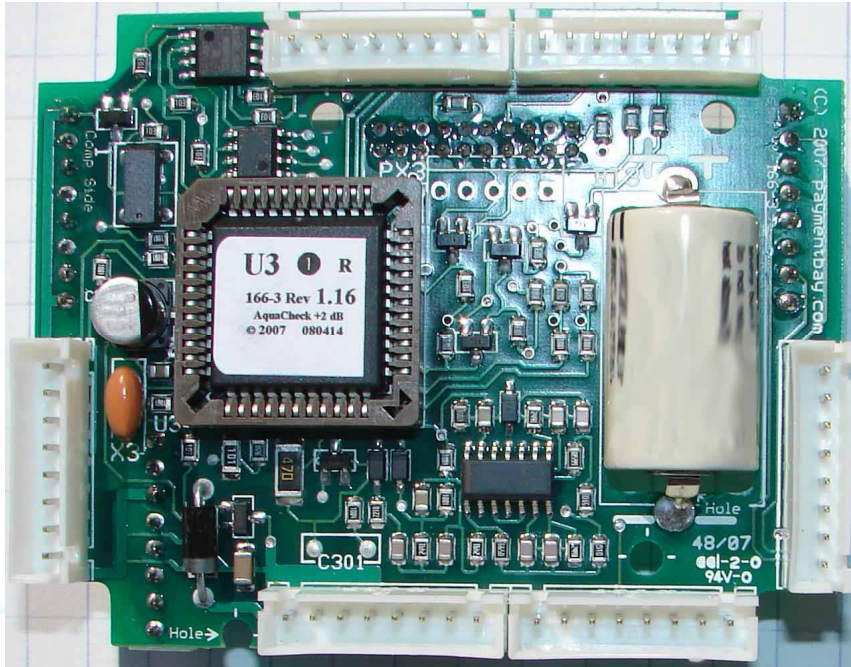
Updating Software Revision:

- 1-** Carefully unstack the Timer Boards.
- 2-** Carefully remove Chip from Socket with PLCC Extraction Tool.
- 3-** Carefully insert new Chip into Socket aligning Pin #1 with Pin #1. Do not force.



- 4-** Carefully stack and re seat Timer Boards.
if Boards are not assembled properly they may become damage at power up.

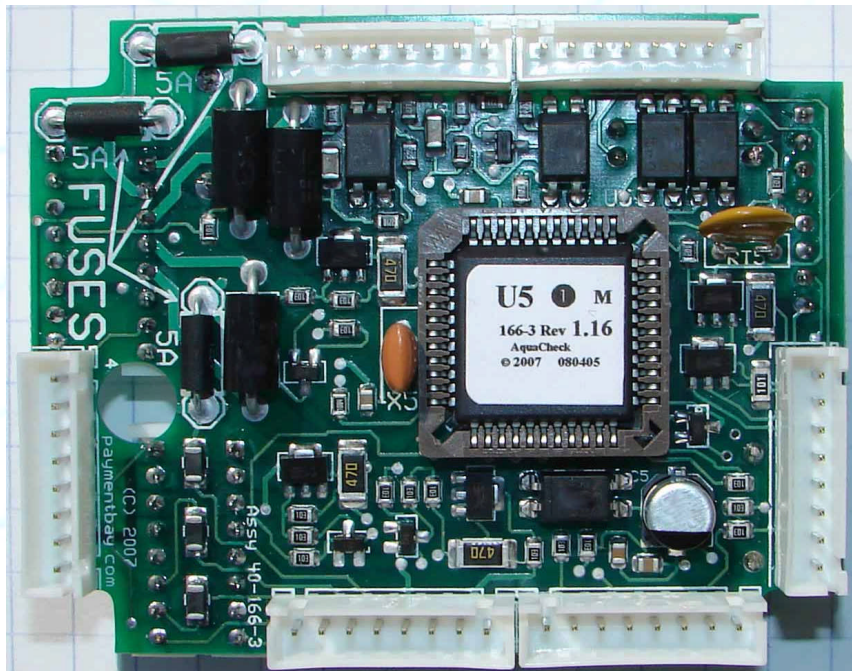
U3 and U5 must be update as a set with the same revision number.



U3 is used on Board #3



Use Extraction Tool



U5 is used on Board #5



Use Extraction Tool

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Receipt Printer Operation:

Credit Card transaction receipt is printed at the end of a Vend or when the Wash is completed.

The last Credit Card transaction may be printed as a Duplicate Receipt at any time if you Push CH+ and then Push Enter on the remote.

The Configuration of the Quick Pay system may be printed from the System Menu under Host.

System Configuration

To Print the Complete Setting of the Quick Pay System:

Enter Password – [Enter] – SYS – [Enter] – HOST – [Enter] – SELF (or other setup) – [Enter] – PRT? – [Enter]

The following Shall Print:

..... continued

```

SET-UP
COIN $1.50
TIME 04:00
CRD1 $2.00
CRD2 $1.00
MAX $25
TAX NONE
ALRT 00:30
WASH 10:00
FUNC PNO1 TIRE CLEANER
      OFF 100%
      PNO2 BUG OFF
      ON 100%
      PNO3 PRE-SOAK
      OFF 100%
      PNO4 SOAP
      OFF 100%
      PNO5 FOAM BRUSH
      ON 100%
      PNO6 RINSE
      OFF 100%
      PNO7 TRIPLE FOAM BR
      OFF 100%
      PNO8 RAIN-X
      OFF 100%
      PNO9 SPOT FREE RINS
      OFF 100%
      PNO10 RAPID DRY
      OFF 100%
      PNO11 ENGINE CLEANER
      OFF 100%
      PNO12 CLEAR COAT
      OFF 100%
      PNO13 DUR-A-SHIELD
      OFF 100%
GRAC 00:05
GREE .....
.....

```

```

BONUS
TIME 00:00
DLAY $1.50
LOTO COIN OFF
      BILL OFF
      CARD OFF
      ODDS 2:1
DISC NONE

SYSTEM
HOST SELF
DIR UP
TYPE ROTARY ONLY
ALRM AL12 NONE 00:30
      AL13 NONE 00:30
      AL14 NONE 00:30
      AL15 NONE 00:30
GAIN 0008
PAS1 5678
PAS2 1234
NAM1 .....
      .....
NAM2 .....
      .....
CATG BAY
RF 0010
VOL 0008
LANG ENGL
ZONE PACF
DATE 08.16
YEAR 2008
TIME 12:13

MERCHANT
PHON PH-1
PREX 1-
USER 100005938576
ACCT 100005938575
CARD AMEX OFF
      DISC OFF
      MAST ON
      VISA ON
TRAN AGG
CHRG LIVE

```

Continued next column....

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Appendix A



Credit Card Unit (and Carwash Timer)

Trouble Shooting the Phone Line

Credit Card Unit Modem is FCC Part 68 Compliant.

Important Note: Caution, avoid connecting the Phone Connection to the RFID Connector, since this will Damage the Unit and may void the warranty. See Fig # A8.

I) Dial Out Setup Phone Line Usage.

Before attempting to process a credit card transaction the Credit Card Unit requires setup to function with your Telephone Service.

1. Dial-Out number is factory set as PH-1 (default phone number)
2. Dial-Out prefix is factory set for 1- (default prefix)

The Prefix is selectable:

- | | |
|---------|---|
| [1-] | Is for long distance dialing (default). |
| [9-] | Is for a phone system requiring 9 to get an outside line. |
| [9-1-] | Is for long distance with 9 to get on outside line. |
| [NONE] | No prefix before number is dialed. |

Changing the Dial-Out Setup use the remote control as follows:

1. Enter four digit Password and press enter. (default is 1234 or 0696).
2. Select MCHT
3. PHONE
 - a) PH-1 (default)
4. PREX
 - a) [1-] (default)
 - b) [9-]
 - c) [9-1-]
 - d) [NONE]

II) Phone Line Usage.

Is the Phone Line used for any other functions?

Is the Phone Line used for any other Car Wash System?

Is the Phone Line used for a fire alarm system?

Is the Phone Line used for a security system?

Is the Phone Line used for a video system?

Is the Phone Line used for an intercom system?

Does the Phone Line have an extension phone?

Is the Phone Line connected to a Fax?

Is the Phone Line connected to a Computer?

Does your phone company give you long distance service?

Is it required to dial 9 to get an outside phone line?

Is your phone company offering you DSL service?

III) Checking Your Phone Line.

Is the phone line connected to the RJ11 or the larger RJ45 jack on the CC Timer?

Check for line noise?

"Listening" for Noise on your Phone Line

Note: This checks for noise between your Phone Jack and first Central Office.

3. How to "Listen" to your Phone Line:

If you have any connection problems it may be related to "Line Noise" from your phone line. In order to really listen to your phone line you need to get rid of the dial tone. Lift up the phone handset and dial any number valid for your location (i.e. in the U.S. try dialing a 1). Once the dial tone is gone you have about 30 seconds to really listen to your phone line (after about 30 seconds the line may change to a busy signal). Listen closely to the line and verify you do not hear any pops, bangs, crackles, creaking or faint voices in the background. Any of these noises can cause your modem connection to fail. Some noise is above the audible range and can not be heard – requiring the phone company to check.

4. Possible Sources of Noise and Checking with Another Phone:

These noises can be caused by something simple. Maybe a loose screw on a connector block somewhere between you and the exchange or water in one of the Telco cable ducts where the water-proofing (around the cable joints) has started to break down. It could also be a bad connection in your facility somewhere and not necessarily on the line extension that is feeding your modem in the **Credit Card Unit**. Voices (or crosstalk) are not so easy to find and are usually more likely to be further into the system. The noises can also be coming from your phone or external wiring. So plug another phone directly into the wall jack and repeat the procedures above.

5. Wiring In and Around your Phone Jack:

Cordless phone jacks and extra "outside wiring" near the phone jack should be removed. If you have a double phone jack on the wall disconnect the other phone line – this is the **black** and **yellow** wires (line #2).

See Appendix #1 for other clues to phone line issues.

Using a phone line tester:

Is the LED light Red, Green, Amber, or No Color?

If the Red LED turns on flip **red** and **green** wires.

http://www.specialized.net/ecommerce/shop/seriesmaster.asp?series_id=Line+Checker
S

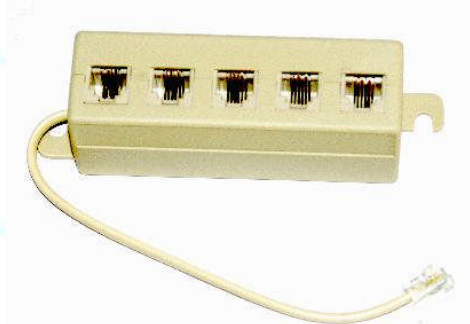


Fig# A1

Use only one Phone Line.

Use the center pair of wires, **red** and **green** – line ONE.

The **Credit Card Unit** is connected to the phone line with a RJ11 jack. All phone cables from all vending machines, automatics, self serve bays, vacs etc should connect to the multiple jack(s) or splitter(s).



Fig# A2



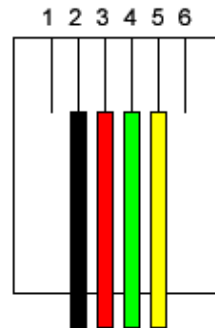
Fig# A3

Above Splitters are connected to the main phone jack or “**Network Interface Device**”.

From the splitter to the main phone jack or the actual phone company connection – only line one is connected – the **red** and **green** (the two center wires). Again, the **black** and **yellow** are not connected to the phone company. The **black** and **yellow** wires are used by the **Credit Card Unit** for special features and should not be connected to line #2 going to the phone company’s central office.

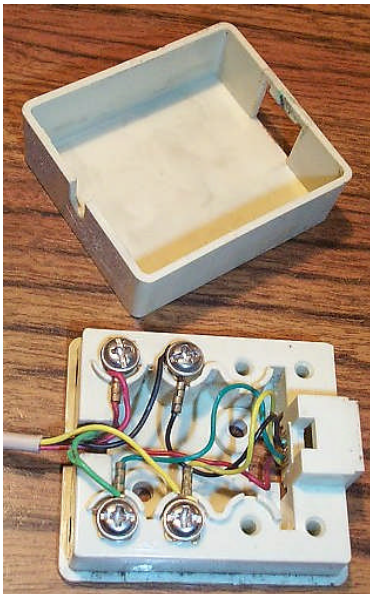
See **Video Link** below:

http://www.expertvillage.com/video/3974_phone-jack-wiring.htm



HOOK IS ON THE BOTTOM

Fig# A4



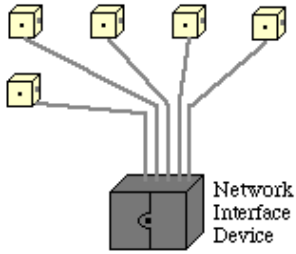
Fig# A5

On Main Phone Jack (Network Interface Device), Line# 2, the Black and Yellow wires are not connected

Quick Pay Users Guide

Confidential

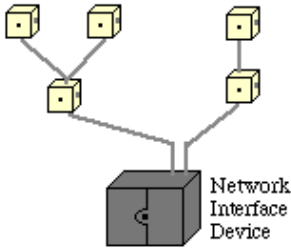
Star topology



Star configuration/
Home-Runs
are recommended.

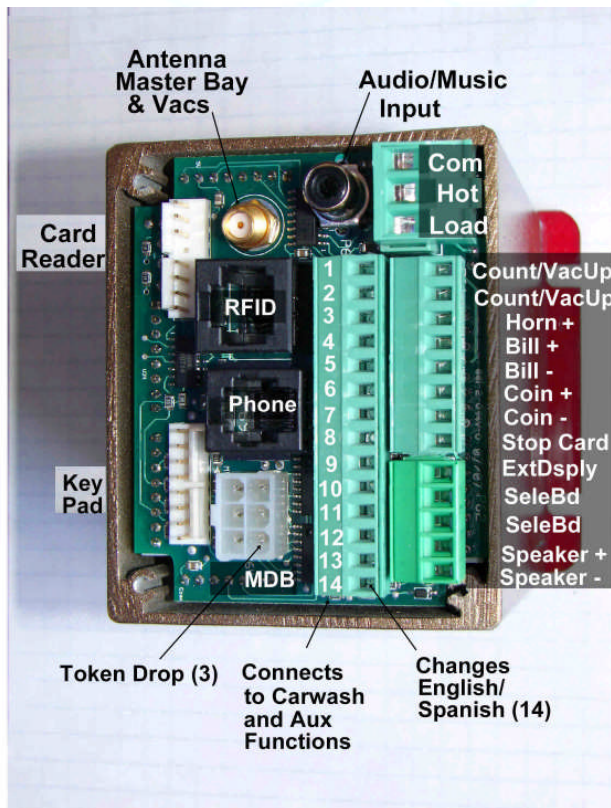
Fig# A6

Branching and daisy-chaining



Reduce Branching
and Daisy-Chaining
as much as possible

Fig# A7



Make sure the Phone Line is connected to the Phone Jack and not the RFID Jack. Fig# A8

IV) 24 VAC Power.

Measure 24 VAC from Common to Hot at $24\text{ V} \pm 5\%$

Measure 24 VAC from GND to Common at 0 V

Confirm that the 24 VAC Hot to Hot on all bays is 0 V – all bays must be phased the same. If any 24 VAC Hot to any other 24VAC Hot has more than 2 volts there may be a phasing issue.

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V) Grounding.

Solid Ground practices will reduce noise issues. See figure 9 below.

TECH NOTE ON GROUNDING

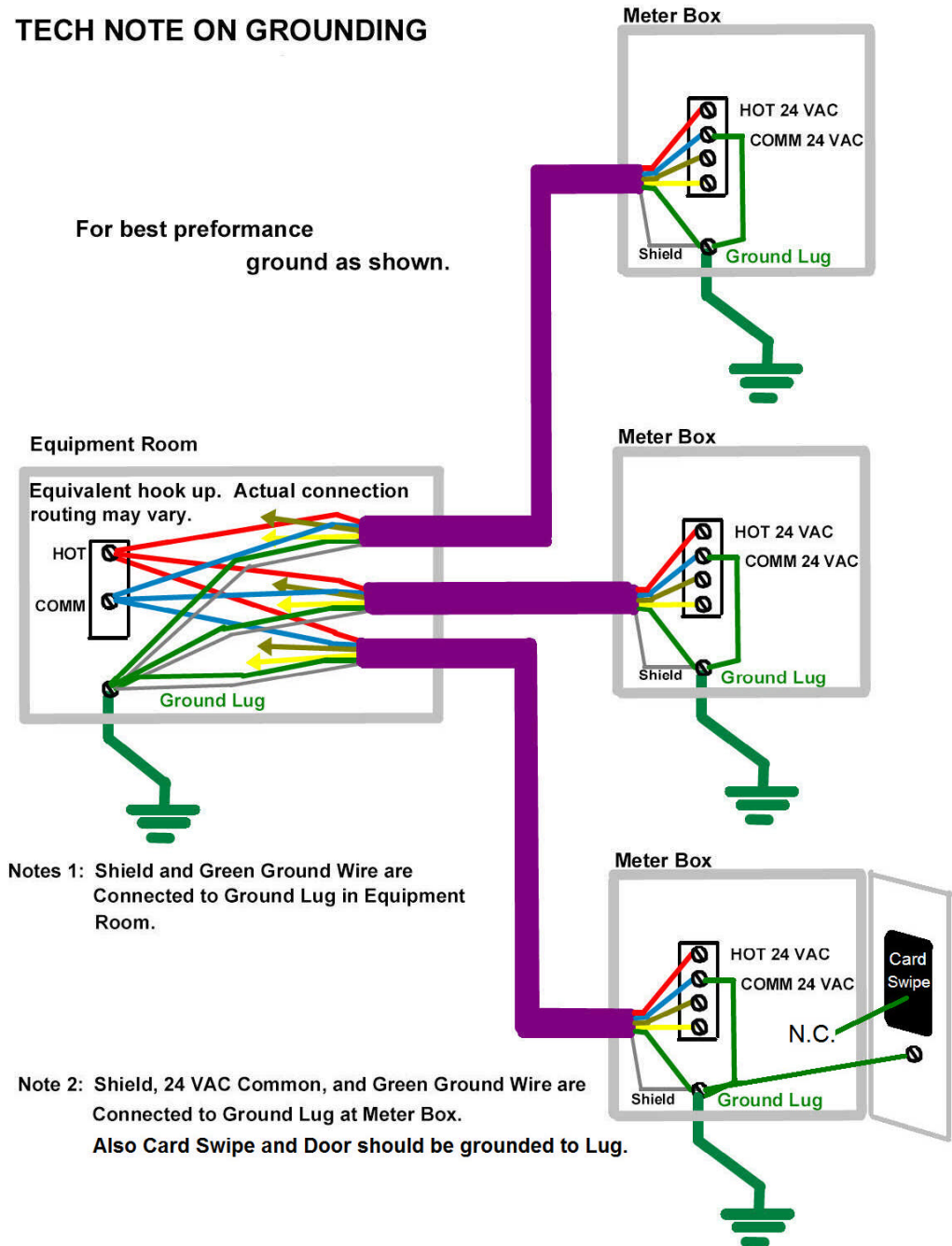


Fig #A9

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VI) Adjusting the Modem for an inadequate phone line.

Under the SYS Menu there is a sub-menu called GAIN

The GAIN has Four (4) selections to choose from:

- 0008 -8dB [Factory Set] used for normal to weak phone line
- 0009 -9dB Use normal to sensitive phone line
- 0010 -10dB Use for sensitive phone line
- 0011 -11dB Use for very sensitive phone line

A “weak” [Harder to Hear] phone line is one requiring a “stronger” modem signal necessary to communicate to the Credit Card Processing company. Try 008 or 009.

A sensitive [Cuts-out or Distorts with loud Volumes] phone line is one requiring a “softer” modem signal necessary to communicate to the Credit Card Processing company. Try 0010 or 0011.

Appendix B

Remote Display Option

A display extension is available allowing the Internal Meter Box Display to be mounted in confined locations.

Appendix C

Cellular Connection Option

Cellular service is available for areas where land line service is not available or you prefer to go wireless.

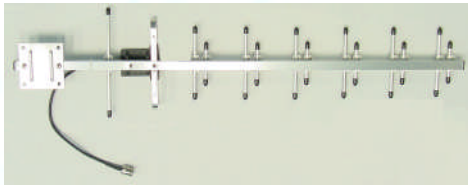
Select a calling plan from:

- Verizon (CDMA)
- Sprint (CDMA)
- T-mobile (GSM)
- AT&T (GSM)
- Cingular (GSM)



We will provide you with a Cellular Module to match you Service Provider’s requirement. Only one Cellular Module is required for multiple Bays, Vacuums, etc.

For remote locations or areas with a weak signal an additional antenna is available with extension cable.



Appendix D

Software Revision History

R1.17
STUP:WASH(10:00 -> 99:00)
STUP:MAX(\$25.00 -> \$250.00)
SYS:GAIN

R1.18
SYS:ALARM
MRCH:TRAN

R2.00
Printer Support
SYS:NAM1,NAM2
STUP:TAX
SYS:HOST:SELF,AUTO,PET,VEND
MRCH:DIAL

R2.01
Internal Updates

R2.02
Broadcast Declined Card
LINK:CATG
LINK:COPY