

# BEVERAGE MANAGEMENT SYSTEMS

## Easybar® Standard Interface Specifications

**ACKNOWLEDGE BEFORE POUR:**

This communication specification provides the simplest interface between Easybar beverage dispensing equipment and Point of Sale equipment.

**PHYSICAL CONNECTION:**

The following criteria must be met:

- RS 232 electrical signal will be used
- Three-conductor shielded cable less than 25 feet
- DB 25 plug on Easybar termination

EASYBAR	POINT OF SALE
RECEIVE – RX (PIN 2)	TRANSMIT – TX
TRANSMIT – TX (PIN 3)	RECEIVE – RX
GROUND – GND (PIN 7)	GROUND - GND

**LINE SETTINGS:**

BAUD RATE	1200 – 19,200
PARITY	NONE
DATA BITS	8
STOP BITS	1

**EASYBAR VOCABULARY:**

DATA	INTERPRETATION
5 byte PLU with EOD character (6 byte stream)	5 byte PLU is ascii format Start byte 02 i.e. PLU code for 121 is 00 00 31 32 31 Checksum sent as the XOR of above 6 bytes Stop byte 03

**POINT OF SALE VOCABULARY:**

DATA	INTERPRETATION
1 byte Acknowledge (ACK)	This is sent by the POS to signal the liquor system (Easybar) to pour the drink  ACK is always a hex 0x06

**NORMAL OPERATING PROTOCOL:**

A drink request is made by Easybar (bartender pushes a drink button on Easybar system). Easybar sends a PLU to POS. The POS responds within a time-out period. The register must respond within 1.5 seconds, a response of 1 millisecond is desired, with an ACK. Upon receipt of the ACK Easybar will pour the selected drink.

**FAILURE HANDLING:**

If the POS fails to respond within the time-out period, the drink will be purged from Easybar and another drink may be requested.