System 2X-Star SP298 Weighbridge Slip Printer

Ian Fellows LIMITED

STAR SP298 Printer with SYSTEM 2X Indicator
- GENERAL WEIGHBRIDGE USE -

Connection –

Install printer cable on System 2X – use screened cable with 25 Way Male D connector.
Terminate screen at System 2X gland/case entry but do not connect at printer.

System 2X (COM1)	Printer (25 Way D Connector)
TX (transmit)	Pin 3
RX (busy)	Pin 20
GND (ground)	Pin 7

SP298 Printer Configuration –

The printer will normally be used with factory default settings – DIP switches 1-7 ON; 8-10 OFF.
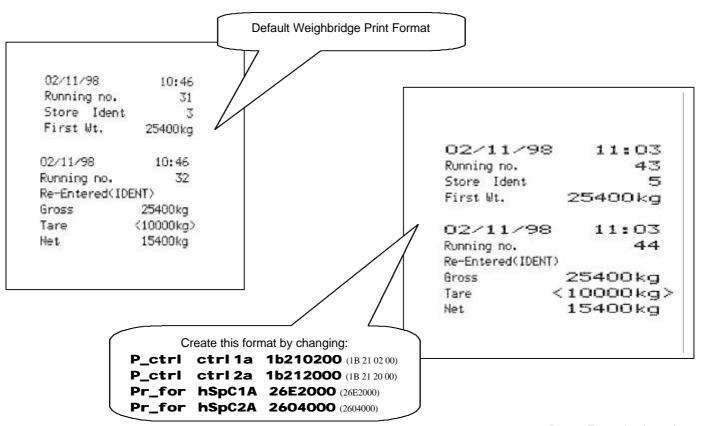See User Manual for operating instructions.
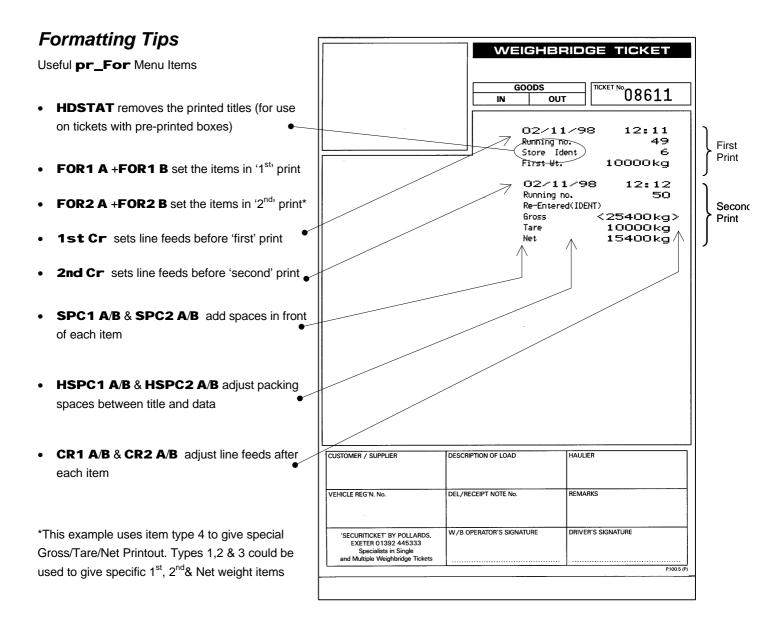
System 2X Configuration –

Set the System 2X for weighbridge use (see Operation Manual for full details) –
- Select weighbridge mode   – **engcfg bridge 1**
- Select SP298/TM295 printer Type   – **pr_cfg type 4**

Print Format is automatically set to the default shown below.
The layout and contents can be modified using the System 2X Formatting and Control features.

Default Weighbridge Print Format

```
02/11/98          10:46
Running no.          31
Store  Ident          3
First Wt.      25400kg

02/11/98          10:46
Running no.          32
Re-Entered(IDENT)
Gross         25400kg
Tare         <10000kg>
Net           15400kg
```

```
02/11/98          11:03
Running no.          43
Store  Ident          5
First Wt.      25400kg

02/11/98          11:03
Running no.          44
Re-Entered(IDENT)
Gross         25400kg
Tare         <10000kg>
Net           15400kg
```

Create this format by changing:

P_ctrl ctrl 1a 1b210200 (1B 21 02 00)
P_ctrl ctrl 2a 1b212000 (1B 21 20 00)
Pr_for hSpC1A 26E2000 (26E2000)
Pr_for hSpC2A 2604000 (2604000)

Formatting Tips

Useful **pr_For** Menu Items

- **HDSTAT** removes the printed titles (for use on tickets with pre-printed boxes)

- **FOR1 A** +**FOR1 B** set the items in '1st' print

- **FOR2 A** +**FOR2 B** set the items in '2nd' print*

- **1st Cr** sets line feeds before 'first' print

- **2nd Cr** sets line feeds before 'second' print

- **SPC1 A/B** & **SPC2 A/B** add spaces in front of each item

- **HSPC1 A/B** & **HSPC2 A/B** adjust packing spaces between title and data

- **CR1 A/B** & **CR2 A/B** adjust line feeds after each item

*This example uses item type 4 to give special Gross/Tare/Net Printout. Types 1,2 & 3 could be used to give specific 1st, 2nd & Net weight items


```
                        WEIGHBRIDGE  TICKET

            GOODS            TICKET No. 08611
        IN       OUT

                   02/11/98      12:11      ⎫
                   Running no.       49      ⎬ First
                   Store  Ident       6      ⎪ Print
                   First Wt.    10000kg     ⎭

                   02/11/98      12:12      ⎫
                   Running no.       50      ⎪
                   Re-Entered(IDENT)         ⎬ Second
                   Gross      <25400kg>      ⎪ Print
                   Tare         10000kg      ⎪
                   Net          15400kg     ⎭

CUSTOMER / SUPPLIER    DESCRIPTION OF LOAD    HAULIER

VEHICLE REG'N. No.     DEL/RECEIPT NOTE No.   REMARKS

'SECURITICKET' BY POLLARDS,  W/B OPERATOR'S SIGNATURE  DRIVER'S SIGNATURE
EXETER 01392 445333
Specialists in Single
and Multiple Weighbridge Tickets                    P.100.5 (P)
```

Printer Control Characters

The **P_Ctrl** menu enables printer control characters to be included in the transmission to the printer. The table below demonstrates the construction of the print output.

Control Char's CtrLH A/B						
Carriage Return (CR) , CR/LineFeed(LF) 1ST Cr or 2nd Cr						
Control Char's **CtrL1 A/B**	Leading Spaces **SPC1A/B, SPC2A/B**	Header Field *defined by "type"*	Packing Spaces **HSPC1A/B HSPC2A/B**	Control char's **CtrL2 A/B**	Data Field *defined by "type"*	CR , CR/LF **Cr1A/B Cr2A/B**
⇒ ⇒ ⇒ ⇒ **REPEATED FOR EACH ITEM IN PRINT FILE Pfor \ Qfor** ⇒ ⇒ ⇒ ⇒						
Control Char's **CtrL1 A/B**	Leading Spaces **SPC1A/B, SPC2A/B**	Header Field *defined by "type"*	Packing Spaces **HSPC1A/B HSPC2A/B**	Control char's **CtrL2 A/B**	Data Field *defined by "type"*	CR , CR/LF **Cr1A/B Cr2A/B**
Control Char's **CtrLF A/B**						

Shaded Fields are Enabled \ Disabled by **HdSTaT**