CW-90/90X Checkweigher Firmware Update With Flash Magic

Flash Magic is the software update tool for the Remote Display. This free software can be downloaded at <u>http://www.flashmagictool.com/</u>.

- 1. Unplug power to the CW-90/90X and remove the back plate.
- 2. Wire the serial cable to the CW-90/90X's Port 1. Refer to Table 1.

DB9 Cable				CW-90/90X Connector (J2)		
Pin/Color	Signal	In/Out	Description	Pin	Description	In/Out
1/Brown	DCD	In	Data Carrier Detect	NC	NA	NA
2/Red	RxD	In	Receive Data	3	Тх	Out
3/Orange	TxD	Out	Transmit Data	4	Rx	In
4/Yellow	DTR	Out	Data Terminal Ready	5	DTR	In
5/Green	GND		Ground	1 or 2	Gnd	
6/Blue	DSR	In	Data Set Ready	NC	NA	NA
7/Purple	RTS	Out	Request to Send	6	RTS	In
8/Gray	CTS	In	Clear to Send	NC	NA	NA
9/Black	RI	In	Ring Indicator	NC	NA	NA

Table 1. Cable connection settings

3. Install jumpers on JP3 and JP4 as shown in Figure 1-1.



JP3 and JP4 Location

Figure 1-1. Jumpers installed on JP3 and JP4

- 4. Plug in power to the CW-90/90X and press the indicator's Power button.
- 5. Open the Flash Magic program.



- 6. Set the COM Port to the port you are using; Baud Rate to 57600; Device to LPC2388; Interface to None (ISP); and Oscillator (MHz) to 12.0.
- 7. Check Erase blocks used by Hex File.
- 8. Using the Browse... button, locate the updated firmware file (.hex).
- 9. Check *Verify after programming* and click **Start**. The update will take several moments. The status is displayed at the bottom of the Flash Magic window.

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File ISP Options Tools Help							
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Step 1 - Communications Step 2 - Erase	Step 2 - Erase						
COM Port: COM 1	00-0x000FFF)						
Baud Rate: 57600 Srase block 1 (0x0010 Erase block 2 (0x0020	100-0x001FFF)						
Device: LPC2388 Erase block 3 (0x0030 Erase block 4 (0x0040	00-0x003FFF) 100-0x004FFF)						
Interface: None (ISP) Erase block 5 (0x0050	00-0x005FFF)						
Oscillator (MHz): 12.000000 Erase all Flash+Coc	le Rd Prot by Hex File						
Step 3 - Hex File							
Hex File: C:\CW90\CW90_v0_00_40.hex	Browse						
Modified: Unknown <u>more</u>	e info						
Step 4 - Options Step 5 - Start							
Verify after programming Set Code Read Prot	Start						
Gen block checksums							
Execute							
Develop your own Flash Magic based applications using our developer's kit!							
www.canopenstore.com/pip/flashmagicdevkit							
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Figure 1-2. Flash Magic settings

- 10. When the update is complete, the CW-90/90X will display Version Updated. Press Enter to Reset Configuration.
- 11. Press the Power button to power-down the CW-90.
- 12. Remove JP3 and JP4 and turn power back on. The firmware update is complete.



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