


Controllers' Configuration Dipswitch

The 8-switch Dipswitch is located behind the yellow pull-out tab on the right-side of the Controller. The Dipswitch is used to set parameter values for each Controller. Follow these steps to access the Dipswitch.

	<p>Turn the Controller off before setting dipswitch settings.</p> <p>Locate the yellow tab on the right side of the Controller.</p> <p>All Controllers have the tab in the same place. The Remote also has this yellow tab.</p> <p>Remove the yellow tab.</p>
	<p>The red arrow indicates the position of the Dipswitch.</p> <p>Use a small screw driver to change the Dipswitch values. The leftmost switch is 1, then right through to switch 8. Press the DIPSWITCH down towards the green circuit board to turn it to the ON position.</p>

DIPSWITCH 1

Dipswitch Settings

The Dipswitch settings are described below for each parameter. Not all parameters are set on all types of Controllers. Therefore, for each parameter, the Controller type which it applies to is listed. Those switches not discussed below must be set to OFF or left unchanged. It is important that these parameters are set correctly; if you are unsure, please contact Data Signs.

Master, Slave, Remote Control: Radio Link Channel

The first three switches are used to set the Radio Link Channel. The following table shows the available channels and how to set the switches for each.

Switch 1	Switch 2	Switch 3	Channel
OFF	OFF	OFF	1 Default
ON	OFF	OFF	2
OFF	ON	OFF	3
ON	ON	OFF	4
OFF	OFF	ON	5
ON	OFF	ON	6
OFF	ON	ON	7
ON	ON	ON	8

Ensure that all Controllers that should communicate together have the same Radio Link Channel set on their Dipswitch. By default, Channel 1 is set on the Master and Slave at the Data Signs factory; if only one set is delivered.

Master, Slave: Dimming Control

If you are replacing an old controller (i.e. CS-200) with a Data Signs PTL-300 Controller in your Portable Traffic Lights, enable dimming by setting **Switch 5** to on. Do this on both the Master and the Slave Controllers.

Master Controller: Usage Configuration

Use **Switch 6** and **7** to set the usage configuration. From the value set here, the Master will establish a radio link with all appropriate units.

Switch 6	Switch 7	Configuration
OFF	OFF	Default: 1 Master, 1 Slave,
OFF	ON	Master controls Slave, Master-Copy and Slave-Copy. This is usually the first Traffic light set.
ON	OFF	This Master is set as: Master-Copy This is usually the second Traffic light set.
ON	ON	Reserved: Master controls Slave+ Slave-Copy only

More information regarding the meaning of the usage configuration is provided in the **Intersection Control** section.

Slave Controller: Usage Configuration

For usage configurations where more than one Slave unit is present, **Switch 6** is used to set the Slave-Copy.

Switch 6	Unit #
OFF	Default: Slave. This is usually the first Traffic light set.
ON	Slave-Copy This is usually the second Traffic light set.