

## Checking the LEDs

### Control Unit LEDs

| LED                | Description   |
|--------------------|---|
| <b>Optional SD</b> | <ul style="list-style-type: none"> <li>• <b>Off</b> = <a href="#">Card shutdown</a>.</li> <li>• <b>Red flashing</b> = Card initializing or shutting down.</li> </ul>  |
| <b>System SD</b>   | <ul style="list-style-type: none"> <li>• <b>Green on</b> = Card present.</li> <li>• <b>Green flashing</b> = Card in use.</li> <li>• <b>Red fast flashing</b> = card full</li> <li>• <b>Orange steady</b> = Reset imminent.</li> <li>• <b>Red steady</b> = Card failure/wrong type.</li> </ul> |
| <b>CPU</b>         | <ul style="list-style-type: none"> <li>• <b>Alternate red/green</b> = Starting up.</li> <li>• <b>Red on</b> = No software.</li> <li>• <b>Green on</b> = Okay.</li> <li>• <b>Flashing Red</b> = Error/Shutdown.</li> </ul>   |

### Base Card LEDs

| Base Card                     | LEDs 1 to 8 Usage  |                           |           |                           |            |                 |               |            |           |        |               |                      |                 |
|-------------------------------|--|---------------------------|-----------|---------------------------|------------|-----------------|---------------|------------|-----------|--------|---------------|----------------------|-----------------|
| <b>All Cards</b>              | <ul style="list-style-type: none"> <li>• LED1 is also used for base card status:               <ul style="list-style-type: none"> <li>• <b>Red On</b> = Error</li> <li>• <b>Red Slow Flash</b> = Initializing.</li> <li>• <b>Red Flash every 5 seconds</b> = Card okay.</li> <li>• <b>Red Fast Flash</b> = System shutdown.</li> </ul> </li> </ul>   |                           |           |                           |            |                 |               |            |           |        |               |                      |                 |
| <b>IP500 Analog Phone</b>     | <ul style="list-style-type: none"> <li>• No status LEDs are used for analog phone extensions.</li> </ul>   |                           |           |                           |            |                 |               |            |           |        |               |                      |                 |
| <b>IP500 Digital Station</b>  | <ul style="list-style-type: none"> <li>• <b>Green On</b> = Phone detected.</li> </ul>  |                           |           |                           |            |                 |               |            |           |        |               |                      |                 |
| <b>IP500 Combination</b>      | LEDs 1 to 6 <ul style="list-style-type: none"> <li>• <b>Green On</b> = Phone detected.</li> </ul>  |                           |           |                           |            |                 |               |            |           |        |               |                      |                 |
| <b>IP500 VCM</b>              | <ul style="list-style-type: none"> <li>• LEDs 1 to 8 are unlabelled. They are used to indicate voice compression channel usage. Each LED lit represents 12.5% of the available voice compression channel capacity in use (total card capacity rather than licensed capacity).</li> </ul>   |                           |           |                           |            |                 |               |            |           |        |               |                      |                 |
| <b>IP500 4-Port Expansion</b> | LEDs 1 to 8 are used for the expansion ports on the rear of the control unit. LEDs 9 to 12 are used for the card's own expansion ports. <table border="1" data-bbox="483 1267 1364 1422"> <tbody> <tr> <td><b>Green</b></td> <td><b>On</b></td> <td>Expansion module present.</td> </tr> <tr> <td><b>Red</b></td> <td><b>Flashing</b></td> <td>Initializing.</td> </tr> <tr> <td><b>Red</b></td> <td><b>On</b></td> <td>Error.</td> </tr> <tr> <td><b>Orange</b></td> <td><b>Regular Flash</b></td> <td>Base card okay.</td> </tr> </tbody> </table> | <b>Green</b>              | <b>On</b> | Expansion module present. | <b>Red</b> | <b>Flashing</b> | Initializing. | <b>Red</b> | <b>On</b> | Error. | <b>Orange</b> | <b>Regular Flash</b> | Base card okay. |
| <b>Green</b>                  | <b>On</b>  | Expansion module present. |           |                           |            |                 |               |            |           |        |               |                      |                 |
| <b>Red</b>                    | <b>Flashing</b>  | Initializing.             |           |                           |            |                 |               |            |           |        |               |                      |                 |
| <b>Red</b>                    | <b>On</b>  | Error.                    |           |                           |            |                 |               |            |           |        |               |                      |                 |
| <b>Orange</b>                 | <b>Regular Flash</b>   | Base card okay.           |           |                           |            |                 |               |            |           |        |               |                      |                 |

### Trunk Daughter Card LEDs

| Trunk Daughter Card | LEDs 9 to 12 Usage  |
|---------------------|---|
| <b>All cards</b>    | <ul style="list-style-type: none"> <li>• LED 9 is also used for daughter card status.               <ul style="list-style-type: none"> <li>• <b>Red On</b> = Error</li> <li>• <b>Red Slow Flash</b> = Initializing.</li> <li>• <b>Red Flash every 5 seconds</b> = Card okay.</li> <li>• <b>Red Fast Flash</b> = System shutdown.</li> </ul> </li> </ul> |
| <b>Analog Trunk</b> | <ul style="list-style-type: none"> <li>• <b>Green on</b> = Card fitted.</li> <li>• <b>Green flashing</b> = Trunk in use.</li> </ul>   |
| <b>PRI Trunk</b>    | <ul style="list-style-type: none"> <li>• <b>Off</b> = No trunk present.</li> <li>• <b>Green on</b> = Trunk present.</li> <li>• <b>Green flashing</b> = Trunk in use.</li> <li>• <b>Red/Green Fast Flash</b> (port 9) or <b>Green Fast Flash</b> (port 10) = Alarm indication signal (AIS) from the trunk remote end.</li> </ul>                         |

- **Green on** = Trunk present.
- **Green flashing** = Trunk in use.

### External Expansion Module LEDs

- Green on = Module okay.
- Red flashing = Module starting up/Loading firmware.
- Green flashing = Module starting up/Loading firmware (IP500 DS16A/30A module).
- Red on = Error.

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15-601042 Issue 24.i.-  
13:00, 20 December 2011  
(checking\_the\_leds.htm)

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Last Modified: 26/09/2011