



**Product Model #:ASTRO Digital Spectra Console – W7 Models (Local Control)**

Rehabilitation Act Amendments of 1998, Section 508 Subpart 1194.25 Self-Contained, Closed Products	
<i>The following features are derived from Section 508</i>	
	<b>COMMENTS</b>
When a timed response is required – alert user, allow sufficient time for him to indicate that he needs additional time to respond [ N/A ]	N/A. There is no method to alert for more time. Time limited functions are recreate-able, so they are recoverable.
For touch screen or contact-sensitive control input provide: 1. Controls / keys tactilely discernable without activating [ X ]	Yes
2. Controls / keys operable with one hand [ X ]	Yes
3. Controls / keys that don't require tight grasping, pinching or twisting of the wrist [ X ]	There are no controls/keys that require tight grasping, pinching or twisting of the wrist on the consolette.
4. Maximum force required to activate controls / keys is 5 lbs (22.2N) [ X ]	Yes
5. If key repeat supported, delay key repeat at least 2 seconds [X]	Yes, except for the volume rocker.
6. Key repeat adjustable to 2 seconds per character [ X ]	Yes.
7. Locking toggle controls / keys status – visually discernable, and discernable through touch or sound [ ]	Status is visually & in some cases tone discernable
Provide an alternative form of identification / activation that doesn't require the user to possess particular biological characteristics [ ]	N/A. Activation of the consolette is only through the push of the on/off button.
Products that provide audio output shall: 1. Provide audio signal at a standard signal level through an industry standard connector allowing private listening [ ]	N/A. No Industry standard for connectors.
2. Provide ability to interrupt, pause, and restart the audio at anytime [N/A ]	N/A. The product provides real-time audio.
For products that deliver voice output in a public area: 1. Incremental volume control shall be provided with output amplification up to a level of at least 65 dB [ ]	N/A. Design for individual operator, product does provide for volume control.
2. Where ambient noise of the environment is above 45 dB, volume gain of at least 20 dB above the ambient level shall be user selectable [ ]	N/A. Design for individual operator, product does provide for volume control.
3. A function shall automatically reset the volume to the default level after every use [ ]	Product design for continuous use, last user selecting setting is the default.
Color coding shall not be used as the only means of conveying information, indicating an action, prompting a response, or distinguishing a visual element [ ]	Yes. Color LED use is indifferent to color actually shown. The lit LED means users actions are occurring.
User adjustable color and contrast settings – shall provide a range of color selections and variety of contrast levels [ ]	Yes. The brightness of the display is adjustable.
Reduce / eliminate screen flicker or image flashing. Recommended ranges: 2 Hz or lower or 55 Hz or higher [ ]	Yes.
For products that are freestanding, non-portable and intended for use in one location with operable controls: 1. The position of any operable control shall be determined with respect to a vertical plane, which is 48 inches in length, centered on the operable control, and at a maximum protrusion of the product within the 48 inch length [ N/A ]	N/A.



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2. Where any operable control is 10 inches or less behind the reference plane, the height shall be 54 inches maximum and 15 inches minimum above the floor [N/A ]	N/A.
3. Where any operable control is more than 10 inches and not more than 24 inches behind the reference plane, the height shall be 46 in. maximum and 15 in. minimum above the floor [N/A ]	N/A.
4. Operable controls shall not be more than 24 inches behind the reference plane [ N/A ]	N/A.
For any of the above feature requirements, are there alternative technologies / features that would result in substantially equivalent or greater access to and use of the product for people with disabilities?	
1a. Identify required feature above	N/A
1b. Equivalent alternative	N/A
2a. Identify required feature above	N/A
2b. Equivalent alternative	N/A
3a. Identify required feature above	N/A
3b. Equivalent alternative	N/A



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<b>Rehabilitation Act Amendments of 1998, Section 508 Subpart 1194.23 Telecommunications Products</b>	
<b><i>The following features are derived from Section 508</i></b>	
	<b>COMMENTS</b>
Standard non-acoustic connection point for TTYs (2.5mm jack) [ ]	No
Adjustable on/off microphone to allow intermix of speech and TTY use [ ]	No
Supports commonly used cross-manufacturer non-proprietary standard TTY signal protocols [ ]	No
Voice mail, messaging, auto attendant, interactive voice response systems shall be usable by TTYs [ ]	No
Voice mail, messaging, auto-attendant, interactive voice response systems that require response time from user – shall give alert that time is about to run out, will allow for extension of time [ ]	N/A
Caller I.D. (and similar functions) shall function with TTYs [ ]	No
Caller I.D. (and similar functions) shall function for people who cannot see [ ]	No
For voice signals – adjustable volume control gain of up to a minimum of 20 dB [ ]	Yes
For voice signals – incremental volume control shall have at least one intermediate step of 12 dB gain [ ]	Yes
If product allows user to adjust the “receive” volume – there will be an automatic volume reset to the default level after each use [ ]	No.
Audio transducer normally held up to the ear - provide a means for effective wireless coupling for hearing technologies [ ]	N/A
Interference to hearing aids, cochlear implants and assistive listening systems will be reduced to the lowest possible level to allow usability [ ]	N/A
Pass through cross-manufacturer, non-proprietary, industry-standard codes, translation protocols, formats or other information necessary to provide usable format [ ]	N/A No known application requiring cross manufacturer codes or formats.
Controls / keys tactilely discernable without activating [ ]	Yes
Controls / keys operable with one hand [ ]	Yes
Controls / keys shall not require tight grasping, pinching, or twisting of wrist [ ]	Yes
Force required to activate controls / keys is 5 lbs (22.2N) maximum [ ]	Yes
If key repeat supported – delay before key repeat shall be at least 2 seconds [ ]	Yes, except for the volume rocker.
Key repeat rate adjustable to 2 seconds per character [ ]	Yes.
Locking toggle controls / keys – visually discernable and discernable either through touch or sound [ ]	Status is visually & in some cases tone discernable
For any of the above feature requirements, are there alternative technologies / features that would result in	



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substantially equivalent or greater access to and use of the product for people with disabilities? 1a. Identify required feature above	N/A
1b. Equivalent alternative	N/A
2a. Identify required feature above	N/A
2b. Equivalent alternative	N/A
3a. Identify required feature above	N/A
3b. Equivalent alternative	N/A

<b>Rehabilitation Act Amendments of 1998, Section 508 Subpart 1194.31 Functional Performance Criteria</b>	
<b><i>The following features are derived from Section 508</i></b>	
	<b>COMMENTS</b>
At least one mode of operation and information retrieval that does not require user vision shall be provided OR support for assistive technology used by people who are blind or visually impaired shall be provided. [ ]	No
At least one mode of operation and information retrieval that does not require visual acuity greater than 20/70 shall be provided in audio and enlarged print output working together or independently OR support for assistive technology used by people who are visually impaired shall be provided. [ ]	Yes, the consolette display is a large display.
At least one mode of operation and information retrieval that does not require user hearing shall be provided OR support for assistive technology used by people who are deaf or hard of hearing shall be provided. [ ]	No. Product is an audio communications device.
Where audio information is important for the use of the product, at least one mode of operation and information retrieval shall be provided in an enhanced auditory fashion OR support for assistive hearing devices shall be provided. [ ]	No. Product is an audio communications device.
At least one mode of operation and information retrieval that does not require user speech shall be provided OR support for assistive technology used by people with disabilities shall be provided. [ ]	No. Product is an audio communications device.
At least one mode of operation and information retrieval that does not require fine motor control or simultaneous actions and that is operable with limited reach and strength shall be provided. [ ]	Yes



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<b>Additional Disability Access Features For Consideration</b>		<b>COMMENTS</b>
<b>Hearing</b>		
Visual alert for “power on” and “power off”, low battery, no service, volume [ ]		Yes, except battery which is N/A for consolette.
Numbers dialed displayed on screen [ X ]		Yes
Other Visual Alerts [X ]		Yes, visual alerts are provided.
<b>Cognition</b>		
Use consistent colors / shapes for specific function keys [ X ]		Yes
Group similar functions together [X ]		Yes
Use of standardized icons [ ]		Icons consistent within other Motorola Two Way Radio products.
<b>Vision</b>		
Easy tactile differentiation between keys and main surface of product (keys matte non-slip, keys raised off surface of product) [ X ]		Yes
Tactile orientation on plug that is not self oriented [X]		No non-self oriented plugs.
Backlit keypad [ X ]		Yes
Minimize glare – display and control surfaces [X ]		Yes
High contrast display – brightness contrast between 6:1 and 15:1 [ X ]		Yes
Use of symbols / icons may be easier to read than fine print [X ]		Yes
Different audio indication for “power on” and “power off” [ ]		Yes tone for on, no tone for off.
Volume control - audible indicator [ ]		Yes
Key activation to require distinct depression / tactile feedback [X ]		Yes
Auditory feedback from keys (“click, voice mode that announces keys when pressed) [ ]		Yes, beeps/bonks are provided in response to button presses except for PTT.
<b>Photosensitive Epilepsy</b>		
Reduce / eliminate screen flicker or image flashing. Recommended ranges of 2 Hz or lower or 55 Hz or higher [ ]		Yes

Last Updated 9/16/02