DX1200 Gemini Remote

Keyboard Commands Reference

This guide provides keyboard shortcuts for the DX1200 Gemini Remote Control application. All commands work identically on Mac, Windows, and Linux without requiring Control, Alt, or Shift modifiers. The interface uses simple two-key sequences and single-key commands for accessibility.

How to Use

Commands use either two-key sequences or single keys. For two-key sequences, press the first key (the mode key), then press the second key (the selection key) within 3 seconds. The mode indicator will show which mode you're in. For single-key commands, simply press the key once.

Band Selection (Two-Key Sequence)

Press B then press one of these keys:

Key	Band	Frequency
1	160 meters	1.8 megahertz
2	80 meters	3.5 megahertz
3	60 meters	5 megahertz
4	40 meters	7 megahertz
5	30 meters	10 megahertz
6	20 meters	14 megahertz
7	17 meters	18 megahertz
8	15 meters	21 megahertz
9	12 meters	24 megahertz
0	10 meters	28 megahertz
X	6 meters	50 megahertz
Y	4 meters	70 megahertz

Antenna Selection (Two-Key Sequence)

Press A then press one of these keys:

Key	Antenna

A	Antenna A
B	Antenna B
C	Antenna C

Note: A band must be selected before selecting an antenna.

Power Level Selection (Two-Key Sequence)

Press P then press one of these keys:

Key	Power Level
H	High Power
M	Medium Power
L	Low Power

Single-Key Commands

These commands execute immediately when pressed:

Key	Command	Description
R	Run	Switch amplifier to Run mode (operating)
S	Standby	Switch amplifier to Standby mode
D	Clear Trip	Clear protection trip condition
O	Toggle Speech	Enable or disable voice feedback

Status Reports (Single-Key Commands with Speech)

These commands speak the requested information when speech is enabled:

Key	Report	Information Spoken
W	SWR	Current standing wave ratio
T	Temperature	Current amplifier temperature in celsius
K	Peak Power	Peak power output in watts
I	Status	Current operating status and band

Help Command

Key	Command
?	Display command summary in console

Speech Support

The application includes built-in text-to-speech support using the Web Speech API. Press O to toggle speech on or off. When enabled, the application will speak confirmations for band changes, antenna selections, power level changes, and mode changes. Status report commands (W, T, K, I) will speak the current values.

Accessibility Features

• All commands work without mouse interaction
• No modifier keys (Control, Alt, Shift) required for cross-platform compatibility
• Voice feedback for all operations when speech is enabled
• Clear visual indicators show current mode during two-key sequences
• Three-second timeout for two-key sequences allows for deliberate operation
• Compatible with screen readers on all platforms

Usage Examples

Example 1: Selecting 20 meter band (14 megahertz)
Press B. You will see "BAND MODE" indicator.
Press 6. The band changes to 14 megahertz.

Example 2: Changing to Antenna B
First ensure a band is selected.
Press A. You will see "ANTENNA MODE" indicator.
Press B. The antenna changes to Antenna B.

Example 3: Setting high power
Press P. You will see "POWER MODE" indicator.
Press H. The power level changes to High.

Example 4: Checking SWR with speech
Ensure speech is enabled by pressing O if needed.
Press W. You will hear the current SWR value spoken.

Tips for Efficient Operation

• Enable speech (press O) for hands-free confirmation of commands
• The mode indicator displays for 3 seconds, giving you time to press the second key
• If you press the wrong first key, simply wait 3 seconds for it to timeout
• Press question mark (?) at any time to display the command summary in the console
• Status reports (W, T, K, I) require speech to be enabled to hear the information