

iTrans DB44

Dante Audio Matrix Adapter with Bluetooth — RS-232 ">Command" API

2 IN · 3 OUT	RS-232	>COMMAND SYNTAX
DANTE + BLUETOOTH AUDIO MATRIX	<CR><LF> TERMINATED	DB44-US / DB44-EUK SHARED API

OVERVIEW

The iTrans DB44 is a Dante audio matrix adapter with Bluetooth input, providing 2 line inputs and 3 outputs with independent gain, volume, and mute control. This API reference documents its RS-232 command set.

Commands use a capitalized ">Command[:param]" ASCII syntax terminated with <CR><LF>. Both the DB44-US and DB44-EUK power-plug variants share this identical API — the power plug is a regional accessory difference only and does not affect the command set.

KEY FEATURES

- **Bluetooth AVRCP Transport Control** — >BtPlay / >BtPause / >BtStop / >BtNext / >BtPrev / >BtVolUp / >BtVolDn provide full remote transport control of the paired Bluetooth source
- **Bluetooth Audio Bridging Modes** — >BtBridging selects both/media-only/call-only bridging behavior while Bluetooth is idle
- **Front-Panel Button Lock** — >BtButtonLockOn/Off secures the physical Bluetooth control buttons
- **Per-Input Gain & Mode** — >Livol sets 6-step line-input gain (-12 dB to +18 dB); >Lisel selects jack / RCA / mix input mode per input (1-2)
- **Per-Output Volume & Mute** — >Lovol (0-100), >Mute/>Unmute independently control each of 3 outputs
- **Audio Preset System** — >SavePresetaudio / >Loadpresetaudio store and recall gain/volume/mute state across 10 slots
- **Unit Identify / Locate** — >IdentifyOn/Off and >Locate flash front-panel LEDs for 10 seconds to physically locate a unit in a rack
- **Parameter Lock** — >ParameterlockOn/Off prevents unintended remote parameter changes
- **System Management** — >Reboot and >Reset for remote lifecycle control

SPECIFICATIONS

PROTOCOL	
Control Port	RS-232
Terminator	<CR><LF> on all commands and responses
Command Syntax	">Command" or ">Command:param" — capitalized ASCII, colon-separated parameters
Audio I/O	2 line inputs, 3 outputs, plus Bluetooth input
Variant Coverage	DB44-US and DB44-EUK (power-plug variants) share this identical command set

COMMAND COVERAGE	
Bluetooth	11 commands — button lock, AVRCP transport (Play/Pause/Stop/Next/Prev/Vol), bridging mode
Input	4 commands — line-input gain set/get, input mode (jack/RCA/mix) set/get
Output	5 commands — output volume set/get, mute/unmute/query
Preset	2 commands — save/load audio preset (slots 1-10)
Query	1 command — GetAudioLevels (full volume + mute snapshot)
System	7 commands — parameter lock, identify, locate, reboot, reset
COMPLIANCE	
Documentation Source	infobit_api.db device_id=53 — iTrans DB44 API command reference

COMMAND REFERENCE

The iTrans DB44 command set is accessed over RS-232. All 30 commands below use capitalized ">Command" ASCII syntax with colon-separated parameters, terminated with <CR><LF>.

Protocol note: this syntax is distinct from the iTrans DB22 (Bluetooth-to-Dante) and DP-BOX-22 (telnet) command families — do not cross-apply commands between these product lines; see their separate API Reference documents.

Command Table (30 commands)

Command	Syntax	Description	Example	Term
BLUETOOTH				
>BtButtonLockOn	>BtButtonLockOn	Lock front panel button.	>BtButtonLockOn	<CR><LF>
>BtButtonLockOff	>BtButtonLockOff	Unlock front panel button.	>BtButtonLockOff	<CR><LF>
>GetBtButtonLock	>GetBtButtonLock	Query button lock status.	>GetBtButtonLock	<CR><LF>
>BtPlay	>BtPlay	AVRCP Play.	>BtPlay	<CR><LF>
>BtPause	>BtPause	AVRCP Pause.	>BtPause	<CR><LF>
>BtStop	>BtStop	AVRCP Stop.	>BtStop	<CR><LF>

Command	Syntax	Description	Example	Term
>BtNext	>BtNext	AVRCP Next.	>BtNext	<CR><LF>
>BtPrev	>BtPrev	AVRCP Previous.	>BtPrev	<CR><LF>
>BtVolUp	>BtVolUp	AVRCP Volume Up.	>BtVolUp	<CR><LF>
>BtVolDn	>BtVolDn	AVRCP Volume Down.	>BtVolDn	<CR><LF>
>BtBridging	>BtBridging:z	Set BT audio bridging (BT idle only). z=0 both,1 media only,2 call only.	>BtBridging:0	<CR><LF>
INPUT				
>Livol	>Livol,x:z	Set input gain. x=1,2 input; z=0-5 (0=-12dB,.5=18dB, 6dB step).	>Livol,1:2	<CR><LF>
>GetLivol	>GetLivol:x	Query input gain. x=1,2.	>GetLivol:1	<CR><LF>
>Lisel	>Lisel,x:z	Select line input mode. x=1,2; z=1 jack,2 RCA,3 mix.	>Lisel,1:1	<CR><LF>
>GetLisel	>GetLisel:x	Query input mode. x=1,2.	>GetLisel:1	<CR><LF>
OUTPUT				
>Lovol	>Lovol,y:z	Set output volume. y=1..3; z=0-100.	>Lovol,2:80	<CR><LF>
>GetLovol	>GetLovol:y	Query output volume. y=1..3.	>GetLovol:2	<CR><LF>
>Mute	>Mute:y	Mute output y=1..3.	>Mute:1	<CR><LF>
>Unmute	>Unmute:y	Unmute output y=1..3.	>Unmute:1	<CR><LF>
>GetMute	>GetMute:y	Query mute status. y=1..3.	>GetMute:1	<CR><LF>
PRESET				
>SavePresetaudio	>SavePresetaudio:z	Save audio preset (gains, volumes, mute). z=1..10.	>SavePresetaudio:1	<CR><LF>
>Loadpresetaudio	>Loadpresetaudio:z	Load audio preset z.	>LoadPresetaudio:1	<CR><LF>
QUERY				

Command	Syntax	Description	Example	Term
>GetAudioLevels	>GetAudioLevels	Query audio volume and mute status.	>GetAudioLevels	<CR><LF>
SYSTEM				
>ParameterlockOn	>ParameterlockOn	Lock parameters.	>ParameterlockOn	<CR><LF>
>ParameterlockOff	>ParameterlockOff	Unlock parameters.	>ParameterlockOff	<CR><LF>
>IdentifyOn	>IdentifyOn	Turn on identify function.	>IdentifyOn	<CR><LF>
>IdentifyOff	>IdentifyOff	Turn off identify function.	>IdentifyOff	<CR><LF>
>Locate	>Locate	Locate unit (front LEDs twinkle 10s).	>Locate	<CR><LF>
>Reboot	>Reboot	Reboot device.	>Reboot	<CR><LF>
>Reset	>Reset	Factory reset.	>Reset	<CR><LF>

APPLICATION EXAMPLE

A typical iTrans DB44 deployment mixes a Bluetooth presenter source with 2 wired line inputs, distributing the result to 3 outputs (Dante network and/or local zones), with a control processor managing levels and Bluetooth transport.

- A control processor connects over RS-232 and issues >Livol / >Lovol commands to set input gain and output volume levels for the room.
- >BtPlay / >BtPause / >BtNext / >BtPrev give the control system transport buttons for a paired Bluetooth source without requiring the user to touch their phone.
- >Mute:y / >Unmute:y provide per-output mute control, useful for muting a Dante feed during a privacy huddle while keeping a local zone active.
- >SavePresetaudio / >Loadpresetaudio restore a full gain/volume/mute configuration for repeatable meeting-room presets.
- >Locate flashes the front-panel LEDs for 10 seconds, helping a technician identify the correct unit in a densely racked equipment room.

Connection Summary

Port	Connected to
RS-232	Central control processor — capitalized >Command syntax, <CR><LF> terminated
Line In 1-2	Wired analog audio sources
Bluetooth	Presenter phone / laptop audio source
Output 1-3	Dante network feed and/or local zone amplifier(s)

ORDERING INFORMATION

Model	Description
iTrans DB44-US	Dante Audio Matrix Adapter with Bluetooth (2 in / 3 out) — US power-plug variant, RS-232 API
iTrans DB44-EUK	Dante Audio Matrix Adapter with Bluetooth (2 in / 3 out) — EU/UK power-plug variant, identical RS-232 API

Specifications are subject to change without notice. For the latest product information, visit www.infobitav.com or contact your Infobit AV representative.