



Features

CONTROL SURFACE

30 Motorised touch-sensitive faders, with designer fader cap

Dual, motorised, touch-sensitive, master cue list fader with 9 control buttons

Single RGB LED Halo indicator alongside each fader

Halo RGB indicator for each playback

30 ultra-high resolution touch sensitive playback encoders with push function

RGB halo indicator for each encoder

120 C&K playback function buttons with positive haptics for timing, designer button cap

3 x 14" 850 nits 1920 x 1200 capacitive touch main screens with adjustable brightness

1 x 4.3" 850 nits 800 x 480 capacitive touch macro and workspace screen with adjustable brightness

LED desk light above LCD screen
10 backlit Macro / Executor key, plus 10 soft Macro buttons with legend on Macro screen

Independent paging for each playback section

Programming buttons all RGB backlit, short travel Cherry® MX Low Profile switches

5 custom RGB backlit attribute encoders

Dedicated level wheel and onscreen level indication

Full custom backlit QWERTY keyboard in drawer

Supports one additional external DisplayPort 1920*1080 touchscreen

CONSTRUCTION

All aluminium construction to reduce weight

Clam shell LCD panel design to reduce transport size, with positive locking mechanism, adjustable screen panel articulation in 6 degrees steps from – 90 to 155 degrees from vertical

Comfortable armrest

Exclusively manufactured button caps, fader caps, encoder knobs, encoder wheels and level wheel

All screens flush-mounted

Can be transported in a custom Peli Air 1754 case

Software

SOFTWARE PLATFORM	AVOLITES TITAN	PLAYBACK CONTROL	USER DEFINED USING MULTIPLE FADERS, ENCODERS AND BUTTONS
DMX SLOTS PER DEVICE	16,384	EXTERNAL CONTROL	WEB API, SMPTE, MIDI, DMX, S-ACN, GPIO
DMX SLOTS PER SYSTEM	32,768	TITAN NET	MULTI-USER & DMX EXPANSION
MAX FIXTURES	32,000	OUTPUT FORMATS	ARTNET, S-ACN, DMX512
KEYFRAME EFFECT ENGINE	CUSTOM EFFECTS WITH ANY NUMBER OF KEYFRAMES	BASE OS	MICROSOFT WINDOWS 10 ENTERPRISE LTSC 64 BIT
PIXEL MAPPING	VIDEO VIA SYNERGY, PIXEL ANIMATIONS FROM TITAN	VISUALIZER	BUILT IN 3D CAPTURE™ VISUALIZER

Hardware

PROCESSING	CUSTOM PROCESSING HARDWARE AND COOLING TO GET THE BEST PROCESSING PERFORMANCE AND COOLING WITH THE ADDITION OF FEATURES INCLUDING INDUSTRY STANDARD XLR CONNECTORS FOR NETWORKING AND PROTECTED OUTLETS	POWER CONSUMPTION	MAX 300W
UNIT DIMENSIONS (W X D X H)	1070 X 440 X 240 MM (SCREENS UP) 1070 X 440 X 160 MM (SCREENS DOWN)	VOLTAGE	110 - 240V AC, 50 - 60HZ
WEIGHT	UNDER 32KG / 70 LBS	OPERATION ENVIRONMENT	OPERATING TEMP. 0 - 40 C / 32-104 F MAX HUMIDITY 95% RELATIVE NON-CONDENSING
		HEAT OUTPUT	MAX 1024 BTU/HR
		INTERNAL UPS	UP TO 5 SEPARATE 4 -MINUTE PERIODS, FULLY SOFTWARE INTEGRATED

Connectivity

DMX 512	8 X NEUTRIK 5-PIN XLR , OPTICALLY AND GALVANICALLY ISOLATED WITH HALO ASSIGNMENT INDICATORS
NETWORK	4 X NEUTRIK XLR ON THE PRIMARY PORT, INTERNALLY SWITCHED & MANAGED 1X NEUTRIK XLR SECONDARY NETWORK PORT
DATA/PERIPHERALS	1 X USB 3.0 RIGHT HAND SIDE HANDLE 2 X USB 3.0 BACK PANEL 2 X USB 2.0 ASSIGNED FOR EXTERNAL TOUCH SCREENS
EXTERNAL DISPLAY	1 X DISPLAYPORT UP TO 1920*1080
SMPTE	1 X 3-PIN LTC TIMECODE IN AND LOOP OUT XLR WITH TRANSFORMER ISOLATION
TRIGGER INPUTS	GPIO 4 IN/4 OUT, ISOLATED, AND DRY CONTACTS ON 15 PIN D SUB CONNECTOR ¼" JACK FOR FOOT SWITCH AUDIO INPUT FOR 7 X BAND TRIGGERS, VIA 3-PIN XLR WITH TRANSFORMER ISOLATION
MIDI	IN, THRU, OUT ON 5 -PIN DIN WITH SIGNAL AND ENABLED INDICATORS USB MIDI SUPPORTED
REAR WORK LIGHT	WHITE LED STRIP WITH RED LED BUTTON TO AID QUICK LOCATION 2 X 3 PIN XLR DESK LIGHT SOCKETS
MAINS POWER	NEUTRIK TRUE1®

THE DIAMOND 7 CONSOLE COMES WITH A 2-YEAR SYSTEMS MANUFACTURER WARRANTY.