



TOTAL VISUAL CONTROL
FROM ROCK TO OPERA



LIGHTING CONTROL



Sapphire Touch



Sapphire Touch Wing



Expert Pro



Tiger Touch II



Tiger Touch Fader Wing



Quartz



Titan Mobile



Mobile Fader Wing



Titan One



Titan Net Processor



Rack Splitter



Truss Splitter

DIMMING CONTROL



ART2000 T4



Art 2000 TV & Film

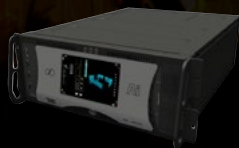


ART2000i Install



Power Cube

MEDIA CONTROL



Infinity EX



Ai S Series



Ai S2



Sapphire Media Console



Sapphire Media Wing



MSC-I



Licence Keys

Designed and Manufactured in the UK
Full product information can be found at www.avolites.com

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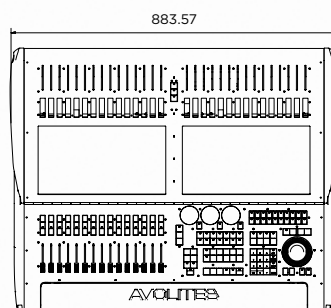
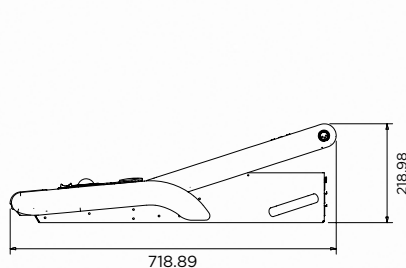
SAPPHIRE TOUCH



Performance engineering for instant live access

The Sapphire Touch is high performance, with more submasters, more flash and executor buttons, and the power to control the larger, more challenging shows.

- 45 motorised, automated master playbacks.
- Massive, wide screen programming windows.
- Fast, live and hands on attribute controls.
- Unique Tricolour illuminated tracker ball with Z axis control to give fast control of distance related attributes - zoom, iris and focus.
- 8 physical DMX outputs, up to 16 over artnet.
- Built in UPS battery back-up
- 100% brighter, vibrant 15.6" screen
- Dual Ethernet port – direct SMPTE in.
- Supports Titan Network Processors for DMX expansion up to 64 universes.
- Dedicated theatre cue stack control.
- Huge programming surface – capacity for up to 4 touch screens.
- 20 programmable macro buttons.
- Screen articulation.
- Connectivity with Sapphire Touch Wing and Sapphire Media Wing.



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titan

EXPERT PRO



Facilitating spontaneity

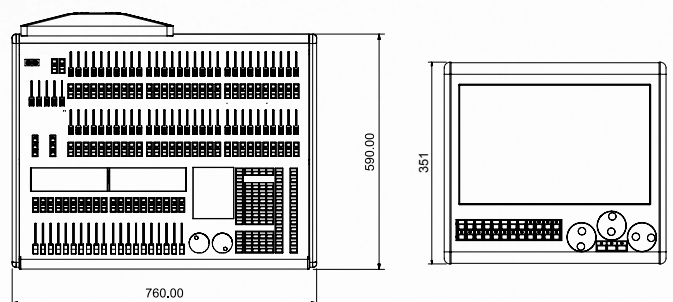
The Expert Pro, the product of Avolites expertise, facilitates spontaneity. Putting live control and creativity firmly into the hands of the lighting designer. High speed button response, dual rollers and instant access to the vast array of timed palettes, breathes life into lights.

- 20 Playback Masters.
- 60 Preset Masters, controlling Cue Lists.
- 5 Metal Shaft, optical encoders offer luxurious precision.
- 80 programmable buttons for Add/Bump, Swap/Solo or Macros.
- Live 'hands on' and powerful Cue List control.
- Intuitive and fast Titan Operating System.
- Support of Artnet and CIP video control protocols
- 16 DMX universes from the console – 8,192 channels.
- Supports Titan Web DMX expansion – up to 64 universes.
- Show file compatibility with Sapphire, Expert, Tiger Touch, Quartz & Mobile.
- Expandable Fixture library for over 14,000 devices.
- 15.6" screen, powerful processor, faster graphics, SSD drives and UPS fitted.
- Go to www.avolites.com for more information.
- 50kg in flight case



The Expert Pro includes a fast and intuitive wide screen touch interface

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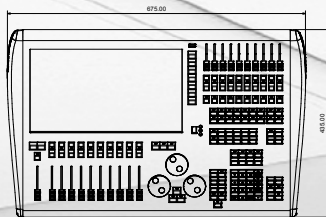
TIGER TOUCH II



The most specified Titan console

Now featuring a vibrant, 100% brighter touch screen, more powerful processor, and faster graphics engine, the Tiger Touch II is the most specified Titan console.

- Live 'hands on' and powerful Cue List control.
- Responsive, wide screen touch interface.
- 16 DMX universes from the console, 8,192 channels.



- Supports Titan Net Processor – up to 64 universes.
- 20 submasters for Cues, Cue Lists and sequences.
- 1000 virtual Playback Executors.
- Show file compatibility with Titan console range.
- 10 direct Macro buttons and Macro library.
- Support of ArtNet and CIP Protocol.
- Expandable Fixture library for over 14,000 devices.
- 100% brighter 15.6" screen, powerful processor, faster graphics, SSD drives and UPS fitted.
- Conveniently located front panel mounted USB
- 30kg in flight case
- Go to www.avolites.com for more information.

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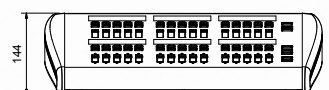
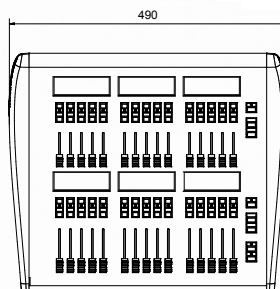


Tiger Touch Fader Wing

Expand your control surface with 30 additional faders for instant access to all of your playbacks, fixtures and palettes. Programmable macro buttons and local, independent paging control make for intuitive operation of world-class shows. Each fader is electronically labelled with a backlit LCD.

- 30 precision playback faders
- Each fader electronically labelled with an LCD screen
- Independent paging control for each row of 15 faders
- 60 user configurable flash or solo buttons
- Programmable macro buttons

- Independent pages for each row of faders
- Designed to complement the Tiger Touch II
- Compatible with Expert Pro and Sapphire Touch



QUARTZ



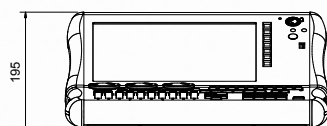
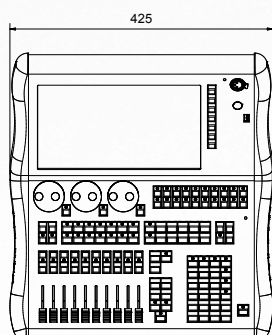
The full power of Titan, anywhere...

Quartz is the newest addition to the Titan Mobile family, complete with on-board processing and a bright, vibrant 12.1" screen, in our smallest full-featured console. Super compact, measuring only 42.5cm wide, the Quartz is the ideal companion for all your lighting projects, from touring and festivals to clubs and one-offs.

Featuring the same high quality faders and hardware you've come to expect from Avolites, the Quartz can go anywhere you can, ideal for life on the road.

Offering full compatibility with Multi user, the Quartz is also perfect for use as a back-up or extra programming surface, cutting your programming time. Quartz is ready to benefit from multi band Sound to Light Triggering functionality, offered in Titan version 9.

- Super compact form – just 42.5cm wide
- 4 physical DMX XLR-5 connectors
- 16 DMX universes from the console – 8192 channels
- Compatible with Titan Net - up to 64 universes
- Gigabit Network port for Titan Net, Artnet and streaming ACN
- Build in MIDI input, No extra boxes required
- 10 precision playback faders
- 3 high quality optical encoders
- 20 programmable macro buttons
- Bright and vibrant 12.1" angled touch screen with brightness control
- Compatible with Titan Remote
- Supports multi band sound-to-light triggering, offered in version 9
- Headphone output
- Button layout harmonised with the rest of the Titan range
- Robust construction – built for life on the road
- Conveniently located front panel mounted Super speed USB3 port
- Expandable with Titan Mobile Wing through dedicated USB port
- Optional extras: Flight Case, Portable Travel Case, Dimmable Desk Light, Cover
- 16.73"(425mm) wide by 18.35"(466mm) deep by 7.64"(194mm) high
- Weight console 8.0Kg Weight in Flight case 16.75Kg



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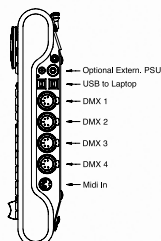
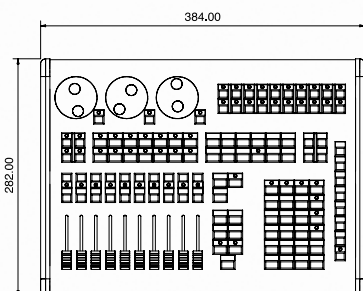
TITAN MOBILE & MOBILE FADER WING



The power of Titan in its most concentrated form!

Avolites TITAN Mobile binds the awesome power of TITAN software with a compact and lightweight unit that connects to your laptop to produce a fully featured moving light control system. Small enough to carry as hand luggage, large enough for complex shows. Shows transferrable to and from any other Titan console.

- 10 Playbacks with assignable controls.
- 20 direct access workspaces, macros and executors.
- 4 DMX onboard outputs - 16 Artnet universes.
- Integrated video media server control.
- Fast, live and hands on attribute controls.
- Fast to programme and easy to use.
- Titan Mobile 4.75kg
- Titan Mobile Fader Wing 6.7kg



*Laptop not included

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*Laptop not included.

TITAN ONE



Titan One is the cost effective solution for your entry level lighting application

**Fast and Intuitive control of intelligent lighting,
Dimmers and LED effects from one on screen console.**

Titan One DMX USB Dongle allows the user to output one line of DMX with the full functionality of Avolites Titan Software.

Access powerful features such as Pixelmapper, Quicksketch, Media Clip Select, Attribute Control-Blades and Shape Generator. Titan One allows you unlimited usage which gives you uninterrupted programming and playback time.

**Global Pricing:
£70 €90 \$110
Educational discounts available.**

- Live music events – use the on-screen faders or touch screen flash to control and interact with your performance. Live, timed, Picture Palettes enable live busking at your fingertips.
- Corporate events – Titan One provides centralized control of media servers and multi-cell LED fixtures. Display your client's logo instantly with the Pixel Mapping tool.
- Museums, Retail and Son et Lumieres all run fully automated, scheduled playback from the time of day cue control.
- Theatre and Drama – benefit from 'Move in Dark', Hot Key 'Go Button' control and fast plotting via keyboard syntax.
- Clubs and bars – easy to use visual programming. Control any fixture with the huge, built in fixture library.
- TV and video studios - Live Edit and Update as well as Channel Output Monitor produces seamless production workflow.
- On board immediate context sensitive help for whenever you need a little assistance.
- Technicians tool – Test, Address and Fault Find your rig from backstage or the warehouse. Titan One provides a full functionality diagnostic tool.
- The Titan One is the lighting designers dream solution, allowing you to edit on the bus or in the hotel and then run the performance from Titan One, Titan Mobile, Tiger Touch, Expert Pro or Sapphire Touch.

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TITAN NET PROCESSOR



The backbone of your system

Unleash the power of your Titan system with the Titan Net Processor. TNP not only increases the capacity of your system to up to 64 universes, but also offers seamless integration with Titan Net back up, and spreads the processing load for heightened reliability of today's channel intensive shows.

- Connects to any Titan console.
- 16 universes processed per TNP.
- 8 DMX512 outlets, protected by optical and galvanic isolation.
- SMPTE balanced Time Code Inputs.
- MIDI In, Thru and Out Connectivity.
- 2 Gigabit Ethernet ports to output Artnet or streaming ACN front or rear fitted as standard.
- Bright high resolution touch sensitive LCD screen for fast local control.
- Two USB sockets at the front.
- Built in UPS 5 x 5 minute sessions without charging.
- 100-240v AC mains input range.
- Processing unit is housed in a shock mounted frame.
- Rugged steel enclosure, 19" rack mountable.
- Distributed Pixelmap rendering engine.
- Network Time Synchronisation.
- 40ms system update speed.
- Fast, low latency for live applications.



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TITAN FEATURES

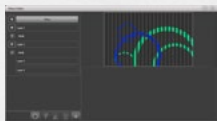
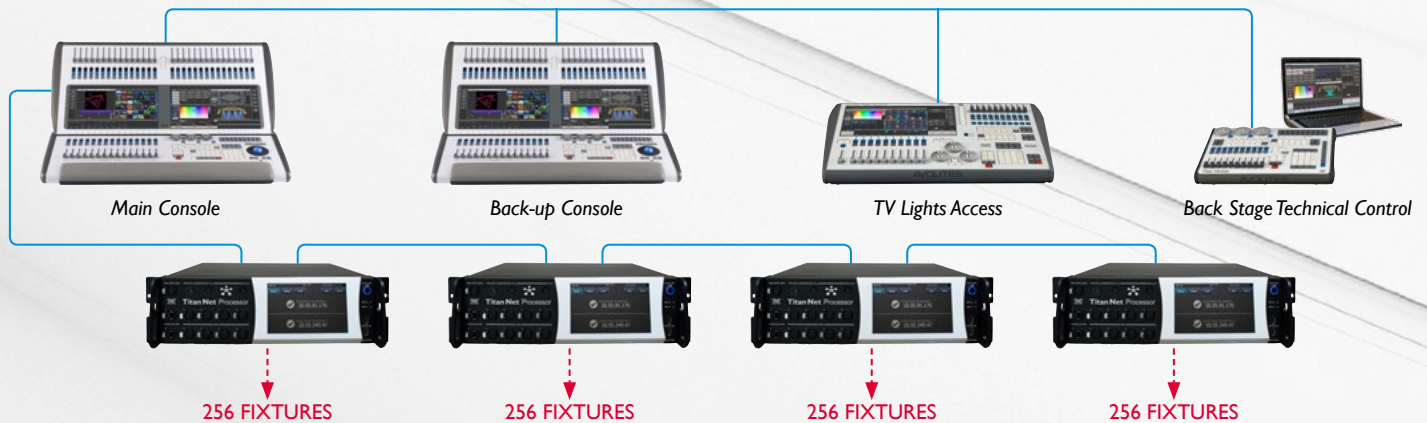
Multi User Networking

Connect multiple consoles together to work collaboratively or independently on the same show. A show can have multiple users, each with their own User Settings, Handle Worlds and Selected Key Profiles. When set to Multi User, consoles can still be used as backups.

Multiple consoles on the same show allow your backstage tech to exchange, reset or fault find on fixtures, or even patch in floor packages, without interrupting programming. The ability to have

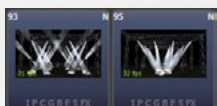
multiple programmers working at the same time enables speedy programming, with palettes being made or edited on one console automatically updating to other connected consoles.

Networking of the outputs using the Titan Network Processor allows system capabilities to be increased to up to 64 DMX universes, catering for even the largest world class spectaculars. All of this can still be used in conjunction with Titan Remote!



More Pixel Mapper Refinements

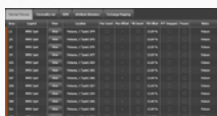
Pixel mapping just got even easier, thanks to the intuitive use of the copy and move function buttons. Copying or moving items across layers and reordering layers allows you to make complex multilayer pixel mapper effects in record time.



Record palettes using Capture visualisation software.

New 'Capture Polar' fusion with Titan software allows creation of position palettes within the visualiser; then record them onto the console.

Patched fixtures on the console will be automatically made available in Capture with correct information for placement within your rig. 3D screenshots can be set as picture legends.



Offset

Set an offset for any attribute of any fixture to fix common issues such as incorrectly rigged fixtures. This will save you reprogramming all of your palettes. This can be updated via locate, in the patch view or by editing a palette and applying to the fixtures. The offset will then be applied to the fixtures for all palettes until reset.



Highlight Active and Filter Relevant palettes

When selecting your fixture to apply a palette, palettes with no information affecting the fixture will be 'greyed out' making relevant palettes more visible. Once a palette is applied, it will highlight, much like when selecting a group to show the palette has been fired.



Quickbuild

Use the Quickbuild function to build cue lists and stacks instantly. Use existing cues or palettes by just sequentially selecting their playbacks or palettes.



Convert and stack cues

Quickly convert a single cue into a cue list or chase by recording another cue on top. Easy to set Record Masks ensure that you only record what you want.



Global Palettes

Global palettes are importable between shows, and allow users to apply information universally to all fixtures possessing intensity, colour, or pan and tilt attributes. When imported, Global Palettes will match these attributes across all fixture types, saving you from having to recreate the palettes. Global palettes can be recognised by the 'G' in the top right corner of the palette handle.



Nested Palettes

Create palettes which reference information from another palette. When the originals are updated, they will also update the nested palette. You can toggle between whether the palette remains nested or not, allowing the palette to have hard attribute values, or to continue referring to the base palettes used to create the nested ones.



Show Library

The central point to access any item within your Titan show. All show elements can be searched or filtered using the quick filter; with each element appearing in page order for easy grouping. You can un-assign items rather than deleting them, so you never lose that all important cue which allows you to use the show library as a cue store.

Also the hub for importing programming from any other Titan show, Show Library allows you to quickly switch between shows when importing content.



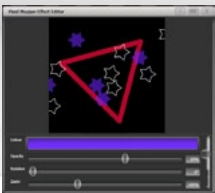
Quicksketch

Quicksketch icons are fast to find during show time. Create custom icons instantly with Avolite's unique Quicksketch drawing tool.



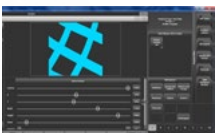
Clip Select

Video Media Integration with instant multilayer patching and Video Clip Selection by image preview. For servers supporting CIPF.



The Industry's Best Pixel Mapper

Today's multi-fixture lighting rigs need the power of a tool that can treat all fixtures as one coherent entity. For example; programme 'colour wipes', 'star bursts' or text effects instantly over all fixtures with the Pixel Mapper tool.



Quicksketch in Pixel Mapper

Avolite's unique Quicksketch tool can now be used in Pixel Mapper – instantly create and animate custom content over any fixtures you like. Draw this asymmetric sketch and then use 'rotate/spin' to create instant Shutter or Dimmer chases.

Playback View - Cue List Playback(10)					
	Legend	Delay In	Fade In	Delay Out	Fade Out
0.5	Preheat	0	0	7	7
1	RD	0	4	As In	4
2	Lx Scene 1 Act 1	0	6	As In	3
3	House LT	0	5	As In	3
4	Special	0	25	As In	3

Cue List View

All views are interactive. Make global or cue and attribute specific changes quickly. Copy Paste and Move to put you in full control.



Group Intensity Masters

Fast control of entire groups of fixtures. Balance group intensities for TV or film or increase all Beam lights and reduce all washes on your live production.



Move in Dark and Tracking

Powerful theatrical tools Move in Dark and optional Tracking can all be set and edited from the cue list view.



Show Import

Quickly create new shows from the best parts of your past productions. Reuse any part of your show from Shape Palettes to Fixtures and Cuelists.



Set List

Cue pages can now follow the shows running order – no matter how late you are given the set list. Display helpful notes like songs, follow spot colours or operator cues.

Patch View									
Cue	Fixture	Attribute	Value	Unit	Color	Intensity	Beam	Mode	Group
1	Beam 1	Color	Red	100%	100%	100%	100%	100%	100%
2	Beam 2	Color	Blue	100%	100%	100%	100%	100%	100%
3	Beam 3	Color	Green	100%	100%	100%	100%	100%	100%

Show Reports

Create a cue list hardcopy for the director or arrive at the venue with your rig pre-patched by sending in advance your fixture patch to the venue crew.



Exchange Mapping

Fixture exchange is revolutionised with a unique visual, Attribute Mapping System. Customise any fixture exchange to fit your needs; for example, old Gobo 1 to new Gobo 3.



Keystone and Blade control

Control Keystone or Blades with intuitive graphical workspace.



Titan Remote

For fast fixture focusing or letting someone else update palettes while you update show data. Program edit or play back cues lists or sequences. Works as a separate networked console, giving you all of the facilities and tools of Titan Version 8.



THE ART OF DIMMING



Avolites ART Dimmers
Dimming, Mains and Data Distribution

**TOTAL VISUAL CONTROL
FROM ROCK TO OPERA**

ART2000 T SERIES



Touring Dimmers

Providing a complete solution to Dimming, Moving Light Power and Data distribution.

No need to have separate mains distribution or DMX splitters making set up times faster and lowering the number of individual components needed to put a show together. The ART 2000 controls up to 48 individual channels using four plug in modules of 12 channels each.

The available modules types are:

- 16amp 12 channel continuously rated dimming module with 250uS rise time and local controls.
- 16amp 12 channel switch module for powering moving lights or other equipment.
- 16amp 12 Channel Contactor module, allowing remote switching of ballasted fixtures.

- 48 channels at 16 amps per channel
- Channels can be specified as dimmable, manual switch or contactor
- Excellent noise suppression with 250uS chokes
- 100% duty cycle
- Single Pole and Neutral Disconnect breakers are available
- C-type breakers allow for high inrush currents
- Three Phase and Single Phase operation (requires option)
- Individual faders for each channel for use as channel test, scene setting or for controlling the twelve on-board memories



ART 2000 T2 24 x 16A



ART 2000 T4 48 x 16A ST18



ART2000TV SERIES



ART 2000TVT4 12 x 63A



ART 2000TVT4 24 x 32A



Film and TV Dimmers

The ART2000-TV range has been developed to meet the growing and changing demands of the television, film and industrial show and exhibition lighting, where the use of dimmable fixtures is becoming an increasingly popular, cost effective method of lighting these specific environments.

Within the ART2000TVT4 range there are two channel capacities, 24 x 32amp, 12 x 63amp and 14 x 16amp. The channel breakers are type C allowing for high inrush current associated with the larger capacity luminaires. Both channels sizes are continuously rated at 40 degrees C ambient, and use custom made noise suppression chokes with a rise time of 240 μ sec.

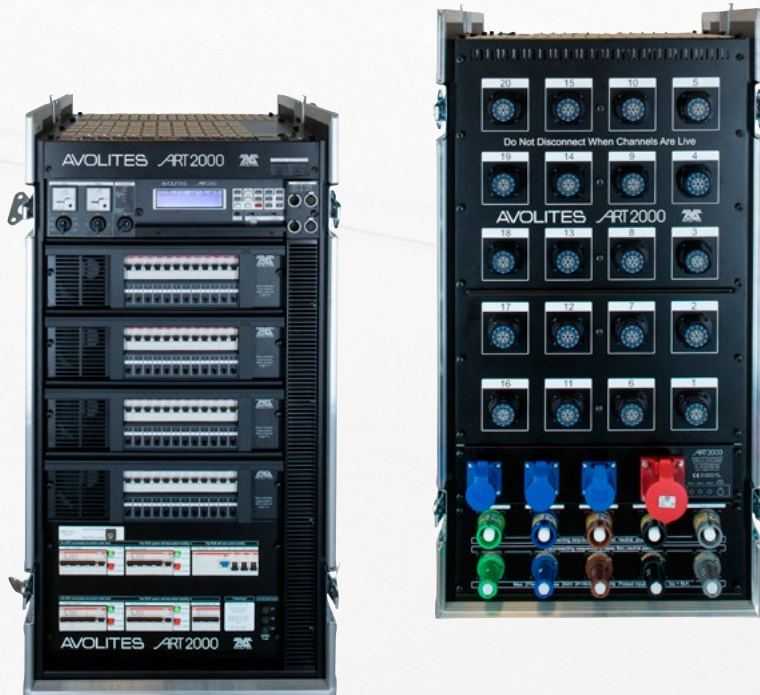
The direct output panel for the 32A channel has 24 x Ceeform 32A single phase connectors.

8 x 7pin Ceeform 32A 3 phase 3 neutral connector in parallel to each 3 channels can be added as an option.

This feature is particularly suitable for sub-distribution on set, thereby reducing cabling runs and cost.

The direct output panel for the 63A channel has 12 x 63A Ceeform single phase connectors fitted.

The ART2000 TV system can also be fitted with Earth Leakage Breakers that can be individually disabled per bay by the user, a "No Volt Return" circuit assures that the RCB function is maintained after each power cycle or re-hire, therefore adhering to the future recommendation of the BS7909 standard for temporary mains distribution systems.



ART 2000TV T4 48 x 16A ELDC

The mains input can be on Single Pole Connectors such as Powerlock, Camlock and BAC with an optional Loop out.

The 'Load Check' indicators for each dimmable channel give a positive indication that a load is present and the local test fader on each dimmer channel ensure that you can easily check the connected load without having the use of a console.

The design incorporates full monitoring and status feedback via the backlit LCD display. Static state

environments are catered for using the front panel control faders. Further 12 memories can be recorded for later replaying either as a simple show in the event a console is not available.

Other features include full DMX patch and merge (2 DMX lines), dimmer curve and limit selection per channel, power OK indicators. Analog Volt and Amp metering or optional Digital metering.

- ELDC breaker system option available

Avolites Film and TV dimmers have been used on The Harry Potter series, The Lord of the Rings, Inception, James Bond, Game of Thrones, Mission Impossible, and many more...

POWER CUBE



A complete Dimming, Mains and Data Distribution Solution in one box

The compact box with proven Art 2000 technology is quick to set up. It boasts 12 dimmer circuits@10amp each, 6 combined dimmer and fixed mains.

- Dimmer and distribution channels- 10A C type ABB breakers
- Distribution channels 16A C type ABB breakers (5-10x I nominal inrush current).
- Captive Mains tail of 1.2m H07R 5x 10mm² fitted with a 63A 5 pin Cee connector:
- Flight-case and dimmer provide for easy storage of this cable
- Mains supplies either 63A 3phase+NTN-S or 63A single Phase +N.
- Mains inlet breaker 63A D type ABB breakers (10-15x I nominal inrush current).
- Three individual single phase 63A 30mA residual current breakers to protect operators. Each RCB protects one phase, therefore increasing the selectivity of the RCB protection. (BS7909 requirement).
- Mains breaker is a four pole unit that also protects the Neutral wire which is important in case of single phase operation.
- Socapex or Harting output connectors available

ART 2000i SERIES



ART 2000i 24 x 16A



ART 2000i 12 x 16A & 6 x 32A

Install Dimmers

The ART2000i is based on a master frame containing two dimmer modules and cost effective expansion module that can add another two slave modules. The whole system is constructed to the tough, high quality design and build specifications of all other Avolites products.

Systems are available with a range of channel types, including 16 or 32amp dimming channels, mains switching channels or DMX controlled contactor modules, allowing remote switching of ballasted fixtures. Each frame has a dedicated mains inlet, allowing for easy retrofit in venues with smaller mains supplies already fitted.

Many installation systems require hot patching, where the installer needs to fabricate a custom patch panel. Only Avolites offers you the convenience of a fully integrated mains patching system within the installation dimmer. Other features include full DMX patch and merge (2 DMX lines), dimmer curve and limit selection per channel, power OK indicators.



ART 2000i 24 x 16A & Patch



Arcade Fire – Reflektor Tour

Lighting Designer – Chris Bushell – Sapphire Touch

