Tacit
Hush
Projector Enclosures
5-50K
Tacit Hush Projector Enclosures

Tempest is the world’s leading manufacturer of large format indoor projector enclosures for noise attenuation in presentation suites, digital cinema, live theatre and concert venues – any noise-sensitive indoor space. Larger Tacit models are projector-specific for projectors above 20K lumens, and have been tested and approved for each of the projectors covered, up to 50,000 ANSI lumens.

Why so Quiet?

There are several parts to the puzzle:

- First, Tacit enclosures are air-tight boxes with excellent seals, which do much of the work.
- Second, we line Tacit enclosures with two layers of high performance melamine sound insulation foam — rated incidentally to the highest fire safety standards.
- Third, we put the exhaust fan someplace else. As a rule of thumb, you need to blow through an enclosure about double the amount of air being handled by the projector itself.

Tacit uses a thermostatically controlled remote fan located in an adjacent space or insulated ceiling void to assure best-in-class noise attenuation. Tacit has a lightweight but extremely strong aluminum frame, with threaded holes top and bottom for easy installation.

Tacit offers excellent projector access, with full-length lockable side access doors, and a projector slide that may be ordered for right or left access on all landscape and portrait models.

Standard colors: White (RAL 9003 semi-gloss) or black. Other colors to order.

Tacit is equipped with Tempest’s patented DEC4 Control, featuring a comprehensive display and remote monitoring options.

Portrait and Ultra-Short-Throw versions are available to special order.

That means forced cooling, and that means noise. The Tacit exhaust fan is located at the end of a duct (by others), which may be in an insulated ceiling space, an adjoining room or an outside wall.

The exhaust fan may also feed into the building air return, though we don’t recommend feeding air to the enclosure inlets from the building air supply. It should be brought in at moderate temperature from a room or ceiling void.

This combination achieves excellent attenuation in the audience space, which is our sole aim.

New:
Four full-featured Tacit models are now available for most projectors between 5-15,000 ANSI Lumens.

Now Tempest Tacit enclosures monitor air temperature where it matters — right next to the projector air inlet. You can set a target air inlet temperature limit, and Tacit’s variable speed remote fan will blow just hard enough to keep it there.

You told us that our user interface was great, but that it could be distracting or hard to reach on the outside. So now it’s right where you need it, next to the projector.
Tacit Hush Projector Enclosures

Tempered low-iron optical grade port glass for security and perfect imaging

Ultra-strong lightweight aluminum frame

Air inlet port with inlet filter (replace from inside)

6 Rigging points (M12-1.75 x 40mm stainless steel bolts supplied)

Air exhaust port

Dec4™ User Interface, for customized setup and system monitoring. May be monitored remotely with optional comms card

Fully opening doors both sides with locking latches.

Tacit 56.320 for Panasonic PT-RZ31K, Shown here in Black

Tacit 56.324 for Christie D4K40/CP4325
Tilt mechanism allows projector tilt adjustment (maximum tilt angle varies by projector).

Tacit UST enclosures allow you to paint the whole wall from just above or below. UST enclosures are wider than standard landscape enclosures, to allow for the extreme width of the projection beam without clipping.

Like all Tacit models, each Tacit portrait enclosure is customized for the intended projector, so we need to know the projector you’re using when you order.

Not all projectors may be used in portrait mode — check with your projector manufacturer before ordering.

Some projectors may be used in portrait mode but only in one orientation — either base left or base right (picture here shows a Christie Crimson installed base left).

Ultra Short Throw

Tacit UST enclosures may be configured to mount above the image (projecting down) or below it (projecting up). Due to the wide variety of UST lens solutions on the market, Tacit UST enclosures are specially built for your project: Contact Tempest and talk to us about your next UST adventure!
Tacit Remote Blower Kit
51.RFA.220 (Tacit 050-150)
51.RFA.270 (Tacit 210 and up)
Tacit’s powerful remote blower must be located in an adjoining space to the Tacit enclosure, out of audience earshot. Connection to the enclosure is via one 2-conductor power cable (48Vdc, 120W), and one twisted pair for speed control and status feedback — a CAT5 cable is fine. The cable may be pulled back to the enclosure through the exhaust duct if desired.

Mount the blower kit either in a convenient space in free air, or in the side of a building return HVAC duct.

Ductwork (by others)
For best results, install 250mm (10") air ducts for air inlet and exhaust (200mm/8in for Tacit 050-150).

The exhaust duct should be as short as possible (maximum 10m/30ft), and with a minimum of sharp bends, to optimize airflow.

The inlet duct should ideally connect to an adjoining air-conditioned space, for best cooling and acoustic performance. DO NOT pull air from the building HVAC supply if it may be used for heating as well as air conditioning.

If it is impractical to bring inlet air from a remote location, use a length of padded flexible hose (250mm/10in ID) in an ‘S’ configuration to draw in air and muffle any noise escaping through the air inlet path.

In cases where additional ductwork is not feasible such as in historic buildings, consider Tempest’s Zen standalone enclosures.

Rigging Points
Each Tacit enclosure is supplied with four (Tacit 50-150) or six 12mm threaded holes in the top surface, for suspension of the enclosure using either M12-1.75 threaded rod or bolts (supplied).

Tacit enclosures may be supplied with Unistrut rails fitted top or bottom for more flexible installation.

Tempest
**Fan Speed Control**

Your Tacit enclosure uses a powerful variable-speed blower in a remote location to keep the projector at optimum operating temperature. The remote blower will run at the minimum speed required to maintain the target projector inlet temperature, keeping fan noise to a minimum and enabling virtually infinite fan life.

**System Monitoring**

**RS485 Comms (standard)**

Daisy-chain a group of enclosures together with this RS485 board — one per enclosure, and monitor using a JESE RDM-TXI interface (Tempest part # 2000.195).

**51.EN Ethernet Comms**

Use this Ethernet adapter to connect one enclosure or a group of enclosures connected using RS485 to a PC, and monitor using Tempest TEMP protocol. Download the TEMP Developer Guide from www.tempest.biz/tech-support.

**JESE Agent · Global Monitoring**

Now, there’s Agent, from Tempest partner JESE — monitor larger systems in the site control room, or worldwide, from our UK-based control center — see more below...

Tacit’s temperature sensor is now located exactly where you need it — right by the projector’s inlet vent, and user settings allow you to set a target inlet temperature to suit the needs of your particular projector.

**Individual Fan Monitoring**

G4 Tacit enclosures can also tell you how each fan in a whole installation is performing. DEC4 compares calculated and actual fan speed, and is able to alert you if one of the fans in a system needs attention.

Combined with JESE Agent remote monitoring service this means you could be receiving an email telling you it’s time to check the fan on enclosure two!
With JESE’s groundbreaking AGENT monitoring system, you can see exactly what’s going on, in every one of those mission-critical enclosures.

And so can we...

We can log into your AGENT system from JESE’s UK support center, and help you identify and fix problems — even upload new firmware to your enclosures if that’s what you need.

**Low Risk — High Reward**

For a very modest initial outlay, and an annual service fee, you can rest assured that your system will alert you to any potential or actual problems, and you will have access to system upgrades and real-time support, from experts who can see right into your system.

Low risk, very high reward.

**JESE Agent—Global Monitoring**

**And there’s more...**

AGENT supports the published ANSI DMX and RDM standards, so it can be used to monitor any compliant products, seamlessly with your Tempest enclosures.

**Download the JESE Agent data sheet from www.tempest.biz**
<table>
<thead>
<tr>
<th>Model</th>
<th>Orientation</th>
<th>Dimensions (lwh)</th>
<th>Weight</th>
<th>Projector Type/max size</th>
<th>Shipping Dimensions/Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>56.050.L</td>
<td>Landscape</td>
<td>29x30x15in</td>
<td>59lb/27kg</td>
<td>22x22.5x9in/56x57x23cm (most @ 5-8k lumens)</td>
<td>36x36x24in/91x91x61cm 94lb/43kg</td>
</tr>
<tr>
<td>56.050.P</td>
<td>Portrait</td>
<td>29x17x28in</td>
<td>64lb/29kg</td>
<td>27x24.5x10in/69x62x25cm (most 8-12k lumens)</td>
<td>36x36x24in/91x91x61cm 120lb/55kg</td>
</tr>
<tr>
<td>56.100.L</td>
<td>Landscape</td>
<td>34x32x16in</td>
<td>85lb/39kg</td>
<td>27x28.5x10in/69x72x25cm (wide 8-12k lumens)</td>
<td>36x42x24in/91x107x61cm 129lb/59kg</td>
</tr>
<tr>
<td>56.100.P</td>
<td>Portrait</td>
<td>34x17x30in</td>
<td>95lb/43kg</td>
<td></td>
<td>36x42x24in/91x107x61cm 138lb/63kg</td>
</tr>
<tr>
<td>56.125.L</td>
<td>Landscape</td>
<td>34x36x16in</td>
<td>94lb/43kg</td>
<td></td>
<td>36x42x24in/91x107x61cm 138lb/63kg</td>
</tr>
<tr>
<td>56.125.P</td>
<td>Portrait</td>
<td>34x17x34in</td>
<td>104lb/47kg</td>
<td></td>
<td>36x42x24in/91x107x61cm 138lb/63kg</td>
</tr>
<tr>
<td>56.150.L</td>
<td>Landscape</td>
<td>42x32x18in</td>
<td>106lb/48kg</td>
<td>Barco F80, F90, Christie H/H Series, DPI M-Vision 930, Epson L-1700, Panasonic PT-RS11, RZ12, RQ13</td>
<td>55x42x35in/135x107x89cm 242lb/110kg</td>
</tr>
<tr>
<td>56.150.P</td>
<td>Portrait</td>
<td>42x19x32in</td>
<td>118lb/65kg</td>
<td></td>
<td>55x32x43in/135x81x109cm 233lb/106kg</td>
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<tr>
<td>56.210.L</td>
<td>Landscape</td>
<td>51x32x22in</td>
<td>177lb/80kg</td>
<td>Panasonic PT-DZ21K, PT-RZ12K, PT-RQ35K, PT-RZ34K, Epson L20000</td>
<td>60x42x35in/152x107x89cm 297lb/135kg</td>
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<tr>
<td>56.210.P</td>
<td>Portrait</td>
<td>51x25x34in</td>
<td>213lb/97kg</td>
<td></td>
<td>60x35x47in/152x89x119cm 333lb/151kg</td>
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<tr>
<td>56.250.L</td>
<td>Landscape</td>
<td>51x37x24in</td>
<td>223lb/101kg</td>
<td>Epson Pro L25000U</td>
<td>60x47x32in/152x11x94cm 363lb/165kg</td>
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<tr>
<td>56.250.P</td>
<td>Portrait</td>
<td>51x25x41in</td>
<td>257lb/117kg</td>
<td></td>
<td>60x35x54in/152x89x137cm 397lb/181kg</td>
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<tr>
<td>56.305.L</td>
<td>Landscape</td>
<td>51x34x24in</td>
<td>205lb/93kg</td>
<td>Panasonic PT-RQ100K, PT-RZ34K, Epson L20000</td>
<td>60x44x37in/152x11x94cm 345lb/157kg</td>
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<tr>
<td>56.305.P</td>
<td>Portrait</td>
<td>51x25x36in</td>
<td>226lb/103kg</td>
<td></td>
<td>60x35x49in/152x89x124cm 366lb/166kg</td>
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<tr>
<td>56.310.L</td>
<td>Landscape</td>
<td>59x34x25in</td>
<td>254lb/115kg</td>
<td>Christie Boxer, Crimson, Barco UDX</td>
<td>68x44x38in/173x11x97cm 387lb/176kg</td>
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<tr>
<td>56.310.P</td>
<td>Portrait</td>
<td>59x25x36in</td>
<td>261lb/119kg</td>
<td></td>
<td>68x35x49in/173x89x124cm 401lb/182kg</td>
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<tr>
<td>56.314.L</td>
<td>Landscape</td>
<td>58x37x27in</td>
<td>285lb/130kg</td>
<td>Christie Griffen</td>
<td>67x47x40in/170x119x102cm 425lb/193kg</td>
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<tr>
<td>56.314.P</td>
<td>Portrait</td>
<td>58x25x38in</td>
<td>271lb/123kg</td>
<td></td>
<td>67x35x51in/170x89x130cm 411lb/187kg</td>
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<tr>
<td>56.320.L</td>
<td>Landscape</td>
<td>67x37x25in</td>
<td>305lb/139kg</td>
<td>Panasonic PT-RZ31K, RQ32K</td>
<td>76x47x38in/193x11x97cm 455lb/207kg</td>
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<tr>
<td>56.320.P</td>
<td>Portrait</td>
<td>67x25x40in</td>
<td>313lb/142kg</td>
<td></td>
<td>76x38x53in/193x89x135cm 463lb/210kg</td>
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<tr>
<td>56.324.L</td>
<td>Landscape</td>
<td>58x37x34in</td>
<td>359lb/163kg</td>
<td>Christie CP432S, D4K40- RGB</td>
<td>67x47x47in/170x119x119cm 529lb/240kg</td>
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<tr>
<td>56.324.P</td>
<td>Portrait</td>
<td>58x30x41in</td>
<td>351lb/160kg</td>
<td></td>
<td>67x40x54in/170x102x107cm 521lb/237kg</td>
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<tr>
<td>56.400.L</td>
<td>Landscape</td>
<td>62x37x38in</td>
<td>440lb/200kg</td>
<td>Barco B-Series</td>
<td>71x48x51in/180x122x130cm 610lb/277kg</td>
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<tr>
<td>56.450.L</td>
<td>Landscape</td>
<td>71x37x38in</td>
<td>504lb/229kg</td>
<td>Christie D4K35, CP2220/30</td>
<td>80x48x51in/203x122x130cm 674lb/307kg</td>
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<tr>
<td>56.525.L</td>
<td>Landscape</td>
<td>67x37x29</td>
<td>354lb/161kg</td>
<td>Panasonic PT-DZ50K, PT-RQ50K, DPI Insight Dual</td>
<td>76x47x42in/193x11x97cm 534lb/243kg</td>
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<tr>
<td>56.525.P</td>
<td>Portrait</td>
<td>67x30x40</td>
<td>376lb/171kg</td>
<td></td>
<td>76x40x53in/193x102x135cm 556lb/253kg</td>
</tr>
</tbody>
</table>

1 For projectors not shown here, please contact factory — we will be happy to accommodate any projector type.

All Tacit Enclosures are built to order. Please consult factory for lead times.

All Tacit UST Enclosures are Custom or Semi-Custom. Please consult factory for details.

All sales are subject to Tempest Lighting, Inc. Standard Terms and Conditions, available for download at www.tempest.biz.

All Schedule B Export Code: 9405.99.0000

**Custom Colors**

The enclosures in this brochure are shown in our standard warm white semi-gloss or black. Any RAL color available to special order.

**Options**

- **S6.UR.xxx** Unistrut Rail Kit (Use the 3-digit enclosure model #, eg S6.UR.200 for Tacit 56.200)
- **S1.IFL.11** Replacement Inlet Filter Tacit 56.1xx-3xx Models
- **S1.IFL.13** Replacement Inlet Filter Tacit 56.400 and up
- **S1.EN** Ethernet Board, for Tempest TEMP monitoring
- **S1.D4.51** JESE Agent 1-port node board
- **S1.JA.xxx** JESE Agent Monitoring System - consult factory
- **0000.CL** Custom Color — specify any RAL #, plus % gloss desired

**CAD drawings and user manuals at www.tempest.biz**
# Tacit Configurator

Please complete this form and email us at info@tempest.biz

<table>
<thead>
<tr>
<th>Name</th>
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<tbody>
<tr>
<td>Company</td>
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<td>Email</td>
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<td>Phone</td>
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<td>Projector &amp; Lens Model #</td>
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<td>Tacit Model</td>
<td>56.</td>
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<tr>
<td>Quantity</td>
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<td>Destination Country</td>
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<tr>
<td>Install Date</td>
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</table>

## Enclosure Type
- Landscape □ Portrait □
- Ultra Short Throw □

## Projector Slide
- Left (as shown here) □ Right □
  - Front (custom) □ Back (custom) □

## Projector Mount
- Landscape/UST: Feet Down □ Feet Up □
- Portrait: Feet Left □ Feet Right □

## Unistrut Kit
- Yes, Qty  □ No □

## Ethernet Bridge
- Yes, Qty  □ No □

## Spare Inlet Filter
- Yes, Qty  □ No □

## Color
- Standard, Warm White □
- Standard, Black □
- Custom, RAL #  

## Gloss Level *
-  

* Gloss levels higher than 30% may show up weld marks. Tempest advises against high gloss finishes and accepts no liability in this event.

## Projector Power Outlet (all types include 2 x IEC 60320 C13 Aux Power):
- IEC 60320 C19 20Amp  □
- IEC 60309 30/32Amp  □
- Custom (specify) □

## UST Lens Configuration:
- 90deg Up □ 90deg Down □ Periscopic A □
- 90deg Right □ 90deg Left □ Periscopic B □
- Straight, Vshift Down □ Straight, Vshift Up □

## Custom Requests:
- Factory Use Only:
  - SO Number □
  - Date □
  - Electrical
    - IEC  □ NEMA  □

User manuals,
2D and 3D CAD drawings at
www.tempest.biz