

## Security Bulletin SB002

Severity: Low

### Amulet Hotkey Zero Client Anti-tamper Label Damage

#### Summary

Amulet Hotkey zero clients are fitted with anti-tamper seals during production. Users can check these seals over the deployed life of the product for any unexpected physical compromise of the unit.

**Figure 1** shows the position of the three seals (highlighted with green circles) on the base of DXZ4 and DXZC zero clients.



**Figure 1:** Position of tamper seals on zero clients

During quality inspections, Amulet Hotkey have found that a limited number of zero client units have damaged anti-tamper seals. In some cases the seals have been partially or fully displaced and the adhesion of the anti-tamper seal was insufficient.

This issue may have happened during packing, transit or deployment, invalidating the integrity of the seal. **Figure 2** shows an example of a damaged seal on a DXZ4 zero client.



**Figure 2:** Example of a faulty anti-tamper seal

## Severity: Low

This security bulletin is rated **Low** severity. Definitions for severity levels are on page 3.

## Risk:

Units with damaged anti-tamper seals can be physically compromised without any indication.

## Resolution: What to do next

1. Forward this bulletin to your site security controller, administrators or managers of the Amulet Hotkey zero client models listed in [Table 1](#).
2. Inspect all affected zero client units (see [Table 1](#)) for damage to the anti-tamper seal.
3. If damage is apparent report this to your site security controller.
4. If there is a concern with the integrity of the unit or whether it could have been compromised then isolate the unit and contact Amulet Hotkey Support for guidance.

## Affected Products

Zero Client Model	Part number
DXZ4-A	CA-DXZ4-A001
DXZ4-AM	CA-DXZ4-AM01
DXZC-A	CA-DXZC-3003
DXZC-AM	CA-DXZC-3M03
DXZC-AC	CA-DXZC-3C02
DXZC-AMC	CA-DXZC-3MC1
DXZC-AE	CA-DXZC-4011
DXZC-AEM	CA-DXZC-4M11
DXZC-AEC	CA-DXZC-4021
DXZC-AEMC	CA-DXZC-4M21

**Table 1:** List of zero clients with anti-tamper labels

## Severity definitions

### High (Critical)

- For any failure of the product to comply with its security objectives and security requirements that constitutes an exploitable vulnerability and results in a security breach.
- The associated attack is usually easily/commonly available and can be completed by an unauthenticated attacker; and the result is usually a compromise of root or Administrator; or arbitrary code execution.

### Medium (Major)

- For any inability to comply with assurance requirements which increases the risk of an exploitable vulnerability remaining undetected.
- For any inability to comply with security functional requirements that constitutes a potential vulnerability and results in a security incident.
- The associated attack is usually relatively difficult to exploit due to mitigations and/or dependence on specific versions or configurations; and does not provide elevated privileges or significant information benefits.

### Low (Minor)

- For any inability to comply with the assurance requirements but which has a temporary fix, workaround or countermeasure; and may result in a Security Warning/Notice.
- Any associated attack requires local or physical access; and it has very little security impact.

## More information

If you need any further details or clarification about this Security Bulletin (**SB002**), please contact your Amulet Hotkey account manager or support team:

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