

# Technical Note

No. 2

06 June 2002



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Product: PrivateWire, Java Applet

Subject: Key generation failure

Description:

Key generation malfunction is observed in PrivateWire Java Applet Client, when inserting character strings in the *User\_Id* and *User\_Name* fields, in language characters sets other than the default English character set.

The generated key in that case **cannot** be used for PrivateWire authentication purposes.

The limitation is caused by the fact that other languages characters are represented using Unicode instead of ASCII characters.

Since PrivateWire key media is expected to ASCII, and since the Java Applet has no means of determining the correct conversion means for each language, the only character set that can be used for the above fields is English ASCII.

This problem does not occur when generating keys using the software PrivateWire Clients.

Workarounds & Solutions:

- 1.1 In the *User\_Id* field it's most recommended to fill in a string containing a numerical number.
- 1.2 In the *User\_Name* field there are two legal available options:
  - Typing a string based on the English characters.
  - Keeping the *User\_Name* field empty.

√ Note:

The PrivateWire Java Applet Client is currently under Beta stage.

