

# New DataChannel implementation details

## Abstract

Due to limitations in the Active/NPAPI interfaces, the plugin's DataChannel has limited support to different data types.

## Sending a string

The plugin behaves exactly the same way as Chrome and Firefox when sending a string :

```
var data = "My string data";
mySendingChannel.send(data);
```

## Sending ArrayBufferViews

The following ArrayBuffer types can be sent using the plugin:

- Int8Array
- Uint8Array
- Int16Array
- Uint16Array
- Int32Array
- Uint32Array

```
var data = new Int8Array(10);
mySendingChannel.send(data);
```

When you receive the data on the other side of the data channel, you can then use:

```
function onReceiveMessageCallback(event) { // was set as the receiving
  datachannel onmessage callback
    var data = new Int8Array(event.data);
    ...
}
```

## Sending ArrayBuffers

We suggest sending ArrayBuffers by transforming them in typed arrays first:

```
var AB    = new ArrayBuffer(8);
var data = new Int8Array(AB);
mySendingChannel.send(data);
```

## Sending Blobs

Temasys is actively considering options for blob sending.  
Follow our [Google Group](#) or our [support portal](#) to be update as soon as a solution is released.

## **Examples of how to use the data channel**

Please see our test samples for example of how to integrate the DataChannel in your web-application:

<https://plugin.temasys.com.sg/demo/>