

# Sending JSON data to stream subscribers

Since iOS SDK build [2.6.36](#) it is possible to send a message with JSON data from publishing client to all the subscribers of stream published, and receive this message on playing client.

## Sending a message

To send a message, `WCSSStream.sendData()` method is used. The message data should be a serialized JSON object

[code](#)

```
@IBAction func sendDataPressed(_ sender: Any) {
    let dataByte = dataToSendTextView.text.data(using: .utf8)
    do {
        let data = try JSONSerialization.jsonObject(with: dataByte!, options:
[ ]) as! [String:Any]
        publishStream?.sendData(data)
        dataStatus.text = "Data sent";
        dataStatus.textColor = .green;
    } catch {
        dataStatus.text = "JSON is not valid";
        dataStatus.textColor = .red;
    }
}
```

## Receiving a message

To receive a message, check in `onStreamEvent` handler: if the event has `fpwcsStreamEventTypeData` type, then message contains a serialized JSON data

[code](#)

```
playStream?.onStreamEvent({streamEvent in
    if (streamEvent!.type == FPWCSEApi2Model.streamEventType(toString:
.fpwcsStreamEventTypeData)) {
        let currentDateTime = Date()
        let formatter = DateFormatter()
        formatter.timeStyle = .short
        formatter.dateStyle = .none
        do {
            let jsonData = try JSONSerialization.data(withJSONObject:
streamEvent!.payload as Any, options: .prettyPrinted)
            let data = String(data: jsonData, encoding: .utf8) ?? "Fatal
```

```
data"
        self.dataReceivedTextView.text = self.dataReceivedTextView.text!
+ formatter.string(from: currentDateTime) + " - " + data + "\n"
        } catch {
        }
    }
})
```

A message sent from [Web SDK](#) or using [REST API](#) may be received by this way