

smsglobal^o

SMSGlobal – SMPP

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Short Message Peer-to-Peer (SMPP)

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Short Message Peer-to-Peer (SMPP)

Preface

Welcome to the SMSGlobal SMPP-API. This document provides a reference for all features available to you via the SMPP interface for sending SMS.

Introduction

The Short Message Peer-to-Peer (SMPP) is a protocol used by the telecommunications industry for exchanging SMS messages between Short Message Service Centers (SMSC) and/or External Short Messaging Entities (ESME).

The protocol is a level-7 TCP/IP protocol, which allows fast deliver of SMS messages.

The most commonly used versions of SMPP are v3.3, the most widely supported standard, and v3.4, which adds transceiver support (single connections that can send and receive messages). Data exchange may be synchronous, where each peer must wait for a response for each PDU being sent, and asynchronous, where multiple requests can be issued in one go and acknowledged in a skew order by the other peer.

SMSGlobal supports the industry standard SMPP V3.4 protocol.

Features

Please find below a list of features for this API.

- SMPP is a direct connection to carriers and provides instant delivery
- High throughput (up to 200 msgs/second)
- Usage of Short Code
- SMPP offers status delivery reports
- 24/7 support via our support system

Server Details

Parameter	Description
IP/DOMAIN	smsglobal.com
PORT	1775
SYSTEM ID	[Username]
PASSWORD	[Password]

Options

Parameter	
Transmitter bind (TX)	
Receiver bind (RX)	
Transceiver bind (TRX)	
Submit command	
TON: 1	
NPI: 1	
Delivery receipts	[Note. Please contact us to enable this for you.]

Delivery Receipts

Delivery receipts are optional. They can be pushed through an RX / TRX bind back to the user. To enable delivery receipts login to the SMSGlobal MobileWorks preferences and update your delivery receipt settings to enable a push over SMPP.

Common Errors

Error Code	Error Type.	Description
1	Error	ESME_RINVMSGLEN Message Length is invalid
2	Error	ESME_RINVCMDLEN Command Length is invalid
3	Error	ESME_RINVCMDID Invalid Command ID
4	Error	ESME_RINVBNDSTS Incorrect BIND
5	Error	ESME_RALYBND ESME Already in Bound State
10	Error	ESME_RINVSRCADR Invalid Source Address
11	Error	ESME_RINVDSTADR Invalid Dest Addr
12	Error	ESME_RINVMSGID Message ID is invalid
13	Error	ESME_RBINDFAIL Bind Failed
14	Error	ESME_RINVPASWD Invalid Password
69	Error	ESME_RSUBMITFAIL Submit SM failed
88	Error	ESME_RTHROTTLED Exceeded allowed message limits
102	Error	Destination not covered or Unknown prefix
400	Timeout	Send message timed-out.
401	System Error	System temporarily disabled
402	No Response	No response from SMSGlobal SMSC

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