**对外第三方接口**

**服务端**

# 业务流程



当第三方客户端和其后台完成支付流程后，面向人教平台进行同步订单处理，步骤如下：

①第三方平台调用人教平台同步订单接口

②人教社平台向第三方后台反馈同步结果

③第三方平台根据人教社平台反馈的同步结果做后续处理。

# 方法

| **方法名称** | **接口地址** | **请求方式** | **入参** | **出参** |
| --- | --- | --- | --- | --- |
| 同步订单 | <https://diandu.mypep.cn>/pay/platform\_sync\_order.json | POST | 见下示例 | json串 |
| 同步订单（有效期）需授权 | <https://diandu.mypep.cn>/pay/platform\_sync\_order\_validity.json | POST | 见下示例 | json串 |
| 组合订单 | <https://diandu.mypep.cn>/pay/platform\_sync\_order\_group.json | POST | 见下示例 | json串 |
| 取消订单 | <https://diandu.mypep.cn>/pay/platform\_cancel\_order.json | POST | 见下示例 | json串 |
| 取消组合订单 | <https://diandu.mypep.cn>/pay/platform\_cancel\_order\_group.json | POST | 见下示例 | json串 |
| 订单换购 | <https://diandu.mypep.cn>/pay/platform\_change\_order.json | POST | 见下示例 | json串 |
| 组合订单换购 | <https://diandu.mypep.cn>/pay/platform\_change\_order\_group.json | POST | 见下示例 | json串 |
| 获取订单信息 | <https://diandu.mypep.cn>/pay/platform\_order\_info.json | POST | 点读sdk授权key platform\_key第三方对接平台的订单号pay\_tradeno | json串 |

# 入参说明

 1、同步订单 示例：

{

"platform\_key": "c1860a6170r45621794e5c0955c327078",

"sign": "d0b89d2d3211b409066f0d84ee94cf06054ca2e2",

"user\_id": "000006",

"order\_info":

[

{

"book\_id": "tape1a\_002002",

"pay\_time": 1381419600,

"pay\_tradeno": "TRADENO0000000001",

"real\_price": 2000,

"pay\_channel": 10,

"receipt\_data":""

},

{

"book\_id": "tape5a\_002002",

"pay\_time": 1381429600,

"pay\_tradeno": "TRADENO0000000002",

"real\_price": 1000,

"pay\_channel": 10,

"receipt\_data":""

}

]

}

2、取消订单 示例：

 {

"platform\_key": "c1860a6170r45621794e5c0955c327078",

"sign": "d0b89d2d3211b409066f0d84ee94cf06054ca2e2",

"user\_id": "000006",

"order\_info":

[

{

"book\_id": "tape1a\_002002",

"pay\_tradeno": "TRADENO0000000001"

},

{

"book\_id": "tape5a\_002002",

"pay\_tradeno": "TRADENO0000000002"

}

]

}

3、订单换购 示例：

 {

"platform\_key": "c1860a6170r45621794e5c0955c327078",

"sign": "d0b89d2d3211b409066f0d84ee94cf06054ca2e2",

"user\_id": "000006",

"order\_info":

[

{

"book\_id": "tape1a\_002002",

"new\_book\_id": "tape1b\_002002",

"pay\_tradeno": "TRADENO0000000001"

},

{

"book\_id": "tape5a\_002002",

"new\_book\_id": "tape5b\_002002",

"pay\_tradeno": "TRADENO0000000002"

}

]

}

4、组合订单 示例：

{

 "platform\_key":"c1860a6170r45621794e5c0955c327078",

 "sign":"d0b89d2d3211b409066f0d84ee94cf06054ca2e2",

 "user\_id":"000006",

"pay\_channel": 10,

"receipt\_data":"",

 "pay\_tradeno":"TRADENO0000000001",

 "pay\_time":1381419600,

 "real\_price":3000,

 "order\_info":[

 {

 "book\_id":"tape1a\_002002",

 "real\_price":2000

 },

 {

 "book\_id":"tape5a\_002002",

 "real\_price":1000

 }

 ]

}

5、取消组合订单 示例

{

"platform\_key": "c1860a6170r45621794e5c0955c327078",

"sign": "d0b89d2d3211b409066f0d84ee94cf06054ca2e2",

"user\_id": "000006",

"order\_info":

[

{

"pay\_tradeno": "TRADENO0000000001"

},

{

"pay\_tradeno": "TRADENO0000000002"

}

]

}

6、同步订单（有效期）示例

 {

 "platform\_key":"c1860a6170r45621794e5c0955c327078",

 "sign":"d0b89d2d3211b409066f0d84ee94cf06054ca2e2",

 "user\_id":"000006",

"pay\_channel": 10,

"receipt\_data":"",

 "pay\_tradeno":"TRADENO0000000001",

 "pay\_time":1381419600,

 "real\_price":3000,

 "book\_id":"tape1a\_002002",

 "validity":1

}

7、组合订单换购 示例

{

 "platform\_key":"c1860a6170r45621794e5c0955c327078",

 "sign":"d0b89d2d3211b409066f0d84ee94cf06054ca2e2",

 "user\_id":"000006",

 "pay\_tradeno":"TRADENO0000000001",

 "order\_info":[

 {

 "book\_id":"",

 "new\_book\_id":””

 },

 {

 "book\_id":"",

 " new\_book\_id":””

 }

 ]

}

# 参数说明

|  |  |
| --- | --- |
| **参数名称** | **描述** |
| platform\_key | 点读授权key |
| pay\_tradeno | 第三方对接平台的订单号 需保证唯一性 |
| sign | 数字签名※1：sign是接口参数的加密签名，采用SHA加密算法，本接口仅针对对接平台key和user\_id这两个参数进行加密，加密计算时platform\_key在前、user\_id在后，顺序不能错※2：platform\_key和sign计算用到的secret均由人教社分配，对接时请向人教社索取例：new HMACSHA1().getSignature(URLEncoder.encode("platform\_key=" + platform\_key + "&user\_id=" + user\_id, "UTF-8"), secret); |
| user\_id | 用户id |
| book\_id | 书籍id |
| pay\_time | 支付时间 |
| real\_price | 支付金额 单位：分 |
| new\_book\_id | 新书籍id |
| pay\_channel | 10:支付宝；11:微信支付；12:iOS内购；13:其他；20：oppo联运；21：华为联运 |
| receipt\_data | 签名返回数据(接收数据) ios内购必填 |
| validity | 有效期标识 1:1个月（30天）、2:2个月（60天）….. ……；小于0则按天计算，如：-9 则有效期为9天。 |

# 编码返回值参照表

{"errcode":"code"," errmsg":"message "}

|  |  |  |  |
| --- | --- | --- | --- |
| **类别** | **错误码(code)** | **错误信息(message)** | **含义** |
| 正常 | 110 | success | 成功 |
| 　 | 　 | 　 |
| 参数类异常 | 92 | parameter is invalid | 参数有误 |
| 　 | 　 | 　 |
| 权限类异常 | 96 | token is out of date | token过期 |
| 95 | token is invalid | token无效 |
| 业务类异常 | 90 | authentication failure | 鉴权失败 |
| 93 | can not bind the device, bind devices is too many | 不可绑定当前设备，已绑设备超出最大数 |
| 94 | can not unbind the device | 不可解绑当前设备 |
| 91 | textbook is not exist | 教材不存在 |
| 97 | not conforming to the combination order rule | 不符合组合订单规则 |
| 98 | the order has already existed | 订单已存在 |
| 99 | The combination order can not do this operation | 组合订单不可以做此操作 |
| 108 | synchronize duplicate order submission | 同步重复订单提交 |
| 109 | the order price is inconsistent with the regular price | 订单价格与正常价格不一致 |
| 系统类异常 | 70 | unkonw error | 系统错误，请联系相关人员处理 |
| 71 | failure of order operation | 订单操作失败 |
| 　 | 　 | 　 |

测试授权key：c1860a61705f36538055c0955c3270aa

秘钥：rjszgs\_2017\_test

注：客服端与服务端需一致；订单金额与商品金额之和需为一致。