



A M C R E S T

Amcrest GPS API Documentation

1. Registration

This API allow user to register Device in application.

API Link - <https://api.amcrestgps.net/auth/register>

Method - POST

*Example -

Request Payload -

```
{
  first_name:"mayur",
  last_name:"patil",
  email:"mayur1@gmail.com",
  company:"amcrest",
  phone_number:"7894561230",
  password:"password",
  confirm_email:"mayur1@gmail.com",
  state:"Karnataka",
  city:"belgaum",
  address:"#1135, tanaji galii, belgaum",
  country:"India",
  zip:"940014",
  time_zone:"Asia/Kolkata",
  language:"Hindi",
  service_plan:"monthly",
  order_id:"12345677",
  credit_card:{
    cardholder_name:"mayur patil",
    cvv:"123",
    expiration_date:"01/21",
    number: "4111111111111111"
  },
  devices:[{
    imei:"01234567890",
    device_model:"device_model",
    device_name:"device_name"
  },
  {
    imei:"01234567899",
    device_model:"device_model",
    device_name:"device_name"
  }]
}
```

Response -

```
{
  message: "User Register Successfully",
  status: true,
  status_code: 201,
  details: {
    id: 11,
    first_name: "mayur",
    last_name: "patil",
    email: "mayur1@gmail.com",
    phone_number: "7894561230",
    address: "#1135, tanaji galii, belgaum",
    city: "belgaum",
    state: "Karnataka",
    zip: "940014",
    country: "India",
    customer_id: 520949854,
    company: "amcrest",
    time_zone: "Asia/Kolkata",
    language: "Hindi",
    uom: "kms"
  },
  subscription: [
    {
      id: 12,
      gps_id: 11,
      customer_id: 520949854,
      subscription_id: "4zs3j2",
      transaction_id: "8rqhatt8",
      subscription_status: "Active",
      imei_no: "01234567890",
      device_name: "device_name",
      device_model: "device_model",
      imei_iccid: null,
      sim_status: 1,
      ip_address: null,
      start_date: "2019-02-12",
      end_date: "2019-03-11",
      firstBillingDate: "2019-02-12",
      nextBillingDate: "2019-03-12",
      order_id: null
    },
    {
      id: 13,
      gps_id: 11,
      customer_id: 520949854,
      subscription_id: "8wy5k6",
      transaction_id: "gryy2azy",

```

```
subscription_status: "Active",
imei_no: "01234567899",
device_name: "device_name",
device_model: "device_model",
imei_iccid: null,
sim_status: 1,
ip_address: null,
start_date: "2019-02-12",
end_date: "2019-03-11",
firstBillingDate: "2019-02-12",
nextBillingDate: "2019-03-12",
order_id: null
}
]
}
```

2. Login

This API used to login into app, login API introduce login token and token used to access API's.

API Link - <https://api.amcrestgps.net/auth/login>

Method - POST

*Example -

Request Payload -

```
{
"email": "user@domain.com",
"password": "password"
}
```

Response

```
{
"user": {
  "id": 1,
  "first_name": "user first name",
  "last_name": "user last name",
  "email": "user@doamin.com",
  "phone_number": "+14512031245",
  "address": "User address",
  "city": "user city",
  "state": "User state",
  "zip": "111111",
  "country": "User country",
  "customer_id": 802430,
}
```



```
status: true,
subscriptions: [
{
id: 49,
gps_id: 66,
customer_id: 546171441,
subscription_id: "jy42y2",
transaction_id: "h936yrj4",
subscription_status: "Active",
imei_no: "0123456789102",
device_name: "device_name1",
device_model: "device_model",
imei_iccid: null,
sim_status: 1,
ip_address: "127.0.0.1",
start_date: "2019-02-13",
end_date: "2019-03-12",
firstBillingDate: "2019-02-13",
nextBillingDate: "2019-03-13",
activated_plan_id: "monthly",
activated_plan_description: null,
order_id: null
},
{
id: 50,
gps_id: 66,
customer_id: 546171441,
subscription_id: "2tb62w",
transaction_id: "6w0006qh",
subscription_status: "Active",
imei_no: "0123456789912",
device_name: "device_name2",
device_model: "device_model",
imei_iccid: null,
sim_status: 1,
ip_address: "127.0.0.1",
start_date: "2019-02-13",
end_date: "2019-03-12",
firstBillingDate: "2019-02-13",
nextBillingDate: "2019-03-13",
activated_plan_id: "monthly",
activated_plan_description: null,
order_id: null
}
]
}
```

4. Reactivation

API to reactivate device subscription.

API link - <https://api.amcrestgps.net/auth/re-activation/device/reactivate>

Method - POST

*Example - Request Payload –

```
{
  credit_card:{
    cardholder_name:"Card holder name",
    cvv:"123",
    expiration_date:"01/21",
    number: "4111111111111111"
  },
  customer_id:"530558961",
  imei:"797824723490902",
  service_plan:"monthly"
}
```

Response -

```
{
  message: "Re-activated Device Successfully, Happy tracking",
  status: true,
  status_code: 201,
  device: {
    id: 58,
    gps_id: 68,
    customer_id: 530558961,
    subscription_id: "9czdhg",
    transaction_id: "h133vk55",
    subscription_status: "Active",
    imei_no: "797824723490902",
    device_name: "aswini_gps",
    device_model: "gl300",
    imei_iccid: null,
    sim_status: 1,
    ip_address: "127.0.0.1",
    start_date: "2019-02-16",
    end_date: "2019-03-15",
    firstBillingDate: "2019-02-16",
    nextBillingDate: "2019-03-16",
    activated_plan_id: "monthly",
    activated_plan_description: "19.99$ auto renewal monthly (60 secs report interval)",
    is_active: true,
    device_in_use: true,
  }
}
```

```
order_id: null
}
}
```

5. Get Inactive Devices

Get inactive devices API returns the inactive devices of customer/user

API link - https://api.amcrestgps.net/auth/re-activation/devices/<customer_id>

Method - GET

*Example -

API - <https://api.amcrestgps.net/auth/re-activation/devices/530558961>

Response -

```
{
message: "inactive Devices",
status_code: 200,
status: true,
devices: [
{
id: 55,
customer_id: 530558961,
imei_no: "797824723490902",
imei_iccid: "12546565464648646"
}
],
user_details: {
first_name: "Aswini",
last_name: "Kumar",
email: "aswiniodisoft@gmail.com",
phone_number: "7978247234",
order_id: "12345680",
address: "Power House Squire",
city: "Bhubaneswar",
state: "Odisha",
zip: "751002"
}
}
```

6. Get Inactive device info

Get Inactive device info gives information of requested inactive device information.

API link - https://api.amcrestgps.net/auth/re-activation/device/info/<customer_id>/<imei>

Method - GET

*Example -

API - <https://api.amcrestgps.net/auth/re-activation/device/info/530558961/797824723490902>

Response -

```
{
message: "inactive device details",
status_code: 200,
status: true,
device: {
id: 55,
customer_id: 530558961,
imei_no: "797824723490902",
imei_iccid: "12546565464648646"
},
user_details: {
first_name: "User first name",
last_name: "User last name",
email: "user@domain.com",
phone_number: "7978247234",
order_id: "12345680" (Optional),
address: "User Address",
city: "User city",
state: "User state",
zip: "751002"
}
}
```

7. Sim Activate API

This API use to update sim status.

API Link - <https://api.amcrestgps.net/support/sim/activate/<imei>>

Method - GET

*Example -

Request -

API - <https://api.amcrestgps.net/support/sim/activate/797824723490902>

Response -

```
{
message: "Sim Activated Successfully",
status: true,
status_code: 200
}
```

8. Sim Deactivate API

This API use to Deactivate SIM

API Link - <https://api.amcrestgps.net/support/sim/deactivate/<imei>>

Method - GET

* Example -

Request -

API - <https://api.amcrestgps.net/support/sim/deactivate/797824723490902>

Response -

```
{
message: "Sim Activated Successfully",
status: true,
status_code: 200
}
```

9. Device plan Update

Using this API user can update device

API Link - <https://api.amcrestgps.net/auth/device/update/plan>

Method - POST

*Example -

Request Payload -

```
{
imei:"797824723490902",
customer_id:"494943711",
credit_card:{
cardholder_name:"Cardholder name",
cvv:"123",
expiration_date:"01/21",
number: "4111111111111111"
},
Service_plan_id:"monthly" (Service plan id's)
}
```

Response –

```
{
message: "Plan Updated Successfully",
status_code: 200,
}
```

```

status: true,
subscription: {
id: 75,
gps_id: 36,
customer_id: 494943711,
subscription_id: "bqywgb",
transaction_id: "bph19aqj",
subscription_status: "Active",
imei_no: "797824723490902",
device_name: "Device 1",
device_model: "gl300-4g",
imei_iccid: "89462046051002298870",
sim_status: false,
ip_address: null,
start_date: "2019-03-18",
end_date: "2019-04-17",
firstBillingDate: "2019-03-18",
nextBillingDate: "2019-04-18",
activated_plan_id: "monthly",
activated_plan_description: "19.99$ auto renewal monthly (60 secs report
interval)",
is_active: true,
device_in_use: true,
order_id: null
}
}

```

10. Get List of service Plan

Get list of service plan for subscription:

API - https://api.amcrestgps.net/info/service_plan

Method - GET

*Example -

Response -

```

{
message: "Service Plan list",
status: true,
status_code: 200,
plans: [
{
service_plan_id:"monthly",
service_plan_name:"Monthly Subscription",
price:"19.99$",
duration:"1 month"
}
]
}

```

11. Cancel Subscription

This API used to Cancel Subscription.

API - <https://api.amcrestgps.net/auth/subscription/cancel>

Method - POST

*Example -

Request -

```
{
  First_name:"firstName",
  last_name:"lastName",
  email:"email@domain.com",
  phone_number:"555555555555",
  imei:"797824723490902",
  cancelation_reason:"test cancel",
  how_gps_tracker:"good",
  comment:"test comment"
}
```

Response -

```
{
  message: "Subscription Cancelled",
  status: True,
  status_code: 404
}
```

12. Return Device

This API use to return device.

API - <https://api.amcrestgps.net/support/device/return>

Method - POST

*Example -

Request -

```
{
  imei:"012345678910"
}
```

Response -

```
{
  message: "Device Subscription cancelled",
  status: true,
  status_code: 200
}
```

13. Update Credit card

Use this API to Update Credit Card Details.

API - <https://api.amcrestgps.net/auth/credit-card/update>

Method - POST

***Example -**

Request -

```
{
  email:"user@domain.com",
  credit_card:{
    Cardholder_name:"card holder name",
    cvv:"123",
    expiration_date:"01/21",
    number: "4111111111111111"
  }
}
```

Response -

```
{
  message: "updated card Details",
  status: true,
  status_code: 200
}
```

14. Validate Credit Card

Before you update credit card, you have to validate previous credit card. After successful validation only you can update credit card details.

API Link -

https://api.amcrestgps.net/info/card/validate/<customer_id>/<card_last_6_digit>

Method - GET

***Example**

Request -

API - <https://api.amcrestgps.net/info/card/validate/123456/415263>

Response -

```
{
  message: "Valid Number",
  status: true,
}
```

```
status_code: 200,
response: {
  first_name: "firstName",
  last_name: "lastName",
  last4: "1111"
}
}
```

15. Get Device List

Get Activated Device List.

API Link - https://api.amcrestgps.net/api/devices/<customer_id>?category=<category>

Category ->

1. gps
2. obd

***Example -**

Request -

<https://api.amcrestgps.net/api/devices/841768718?category=obd>

Response -

```
{
  message: "List of devices",
  devices: [
    {
      gps_id: 171,
      customer_id: 841768718,
      imei_no: "864251020316075",
      device_name: "Device 1",
      id: 1,
      device_details: {
        engine_rpm: 0,
        engine_coolant_temp: 78,
        speed: 0,
        longitude: 85.815785,
        latitude: 20.356115,
        mileage: 43.5,
        send_time: 20181228132117,
        fuel_level_input: null,
        vehicle_speed: 0,
        obd_power_voltage: 12988, device_status:"220000"
      }
    },
  ],
}
```

```

gps_id: 286,
customer_id: 841768718,
imei_no: "864251020319244",
device_name: "Device 2",
id: 2,
device_details: {
    engine_rpm: 0,
    engine_coolant_temp: 78,
    speed: 0,
    longitude: 85.815785,
    latitude: 20.356115,
    mileage: 43.5,
    send_time: 20181228132117,
    fuel_level_input: null,
    vehicle_speed: 0,
    obd_power_voltage: 12988, device_status:"220000"
}
},
status: true,
status_code: 200
}

```

16. Create Zone

Using this API user can create zone

API Link - https://api.amcrestgps.net/api/zones/<customer_id>

Method - POST

***Example -**

Request -

API - <https://api.amcrestgps.net/api/zones/841768718>

Payload -

```

{
name:"Test zone",
coordinates: "[{'lat' : '25.535345', 'lng' : '987.213123'}, {'lat' :
'25.535345', 'lng' : '987.213123'}]",
type:"keep-in",
"zone_group":<ZoneGroupID>(Optional)
}

```

Response –

```
{
message: "Zone Created Successfully",
status_code: 201,
status: true,
zone: {
id: 1,
name: "Test zone",
coordinates: "[{'lat' : '25.535345', 'lng' : '987.213123'}, {'lat' :
'25.535345', 'lng' : '987.213123'}]",
type: "keep-in",
customer_id: "841768718",
status: true,
created_on: "2019-01-03T11:54:47.576914Z",
updated_on: "2019-01-03T11:54:47.576968Z",
zone_group: null
}
}
```

17. Get Zone List

Get created zone list

API Link - https://api.amcrestgps.net/api/zones/<customer_id>

Method - GET

*Example -

Request -

API - https://api.amcrestgps.net/api/zones/<customer_id>

Response -

```
{
message: "Zone list successfull",
status: true,
status_code: 200,
zone: [
{
name: "Test zone",
coordinates: "[{'lat' : '25.535345', 'lng' : '987.213123'}, {'lat' :
'25.535345', 'lng' : '987.213123'}]",
type: "keep-in",
created_on: "2019-01-03T11:54:47.576914Z",
updated_on: "2019-01-03T11:54:47.576968Z",
status: true
}
]
}
```

18. Zone Update API

This API used to update Zone

API - https://api.amcrestgps.net/api/zones/zone/<zone_id>

Method - PUT

*Example

Request -

API - <https://api.amcrestgps.net/api/zones/zone/1>

Payload -

```
{
  name: "Test zone",
  coordinates: "[{'lat' : '25.535345', 'lng' : '987.213123'}, {'lat' :
'25.535345', 'lng' : '987.213123'}]",
  type: "keep-in",
  status: false,
  zone_group:<ZoneGroupID>
}
```

Response -

```
{
  message: "Zone Updated Successfully",
  status: true,
  status_code: 204,
  zone: {
    id: 1,
    name: "Test zone",
    coordinates: "[{'lat' : '25.535345', 'lng' : '987.213123'}, {'lat' :
'25.535345', 'lng' : '987.213123'}]",
    type: "keep-in",
    customer_id: "841768718",
    status: false,
    created_on: "2019-01-03T11:54:47.576914Z",
    updated_on: "2019-01-03T13:04:50.672151Z",
    zone_group: null
  }
}
```

19. Delete Zone

Delete zone with zone id.

API - https://api.amcrestgps.net/api/zones/zone/<zone_id>

Method - DELETE

***Example -**

Request -

API - <https://api.amcrestgps.net/api/zones/zone/1>

Response -

```
{
message: "Zone Deleted Successfully",
status: true,
status_code: 204
}
```

20. Zone Alert Create -

Create Zone alert.

API Link - https://api.amcrestgps.net/api/zone_alert

Method - POST

***Example -**

Request -

API - https://api.amcrestgps.net/api/zone_alert

Payload -

```
{
zones:[<zone id>, <zone id>, ....]
imei:[<imei1>, <imei2>],
name:"Testing Zone Alert",
email_one:"email_one@gmail.com",
email_two:"email_two@gmail.com",
phone_one:"+11234567890",
customer_id:"+191234567890"
}
```

Response -

```
{
message: "Zone Alert Created Successfully",
errors: [],
status_code: 201,
status: true
}
```

21. Update Zone Alert

Update zone alert details.

API link - https://api.amcrestgps.net/api/zone_alert

Method - PUT

***Example -**

Request -

Payload -

```
{
  id: 7,
  name: "Testing Zone Alert 1",
  phone_two: null,
  phone_one: "9019802163",
  email_one: "is@amcrest.com",
  email_two: "mayur1@gmail.com",
  type: "keep-in",
  customer_id: "607863292",
  zone: 2
}
```

Response -

```
{
  message: "Zone Alert updated Successfully",
  status_code: 204,
  status: true
}
```

22. Delete Zone Alert

Delete zone alert

API Link - https://api.amcrestgps.net/api/zone_alert

Method - DELETE

***Example -**

Request -

```
{
  id: 7
}
```

Response -

```
{
message: "Zone Alert Deleted Successfully",
status: true,
status_code: 204
}
```

23 . Get Device Settings

Get Device Settings

API Link - <https://api.amcrestgps.net/api/device/settings/<imei>>

Method - GET

*Example

Request -

API - <https://api.amcrestgps.net/api/device/settings/864251020319244>

Response -

```
{
message: "Get Settings for the device success",
status: true,
status_code: 200,
settings: {
id: 1,
imei: "864251020319244",
trip_notification: false,
trip_email: "email@email.com",
trip_sms: "+919019802163",
engine_notification: true,
engine_email: "email@email.com",
engine_sms: null,
speed_limit: 50,
speed_notification: false,
speed_sms: "+919019802163",
speed_email: "email@email.com",
zone_alert_notification: false,
zone_alert_sms: "+919019802163",
zone_alert_email: "email@email.com",
harshbraking_notification: false,
harshbraking_sms: "+919019802163",
harshbraking_email: "email@email.com",
harshturning_notification: false,
harshturning_sms: "+919019802163",
harshturning_email: "email@email.com",
harshacceleration_notification: false,
harshacceleration_email: "email@email.com",
harshacceleration_sms: "+919019802163",
```

```
trip_end_timer: 3,  
device_name:"device 1"  
}  
}
```

24. Update Device Settings

API link - <https://api.amcrestgps.net/api/device/settings/<imei>>

Method - PUT

*Example

Request -

API - <https://api.amcrestgps.net/api/device/settings/864251020319244>

```
{  
id: 1,  
imei: "864251020319244",  
trip_notification: false,  
trip_email: "updateemail@email.com",  
trip_sms: "+919019802163",  
engine_notification: true,  
engine_email: "email@email.com",  
engine_sms: "9019802163",  
speed_limit: 50,  
speed_notification: false,  
speed_sms: "+919019802163",  
speed_email: "email@email.com",  
zone_alert_notification: false,  
zone_alert_sms: "+919019802163",  
zone_alert_email: "email@email.com",  
harshbraking_notification: false,  
harshbraking_sms: "+919019802163",  
harshbraking_email: "email@email.com",  
harshturning_notification: false,  
harshturning_sms: "+919019802163",  
harshturning_email: "email@email.com",  
harshacceleration_notification: false,  
harshacceleration_email: "email@email.com",  
harshacceleration_sms: "+919019802163",  
trip_end_timer: 3  
}
```

Response -

```
{  
message: "Settings Updated Successfully",  
status: true,  
status_code: 204  
}
```

25. Get Device settings list

API Link - https://api.amcrestgps.net/api/setting/devices/<customer_id>

Method - GET

***Example -**

Request -

API - <https://api.amcrestgps.net/api/setting/devices/123456>

Response -

```
{
  message: "settings of device",
  status_code: 200,
  status: true,
  settings: [
    {
      id: 1,
      imei: "864251020319244",
      trip_notification: false,
      trip_email: "updateemail@email.com",
      trip_sms: "+919019802163",
      engine_notification: true,
      engine_email: "email@email.com",
      engine_sms: "9019802163",
      speed_limit: 50,
      speed_notification: false,
      speed_sms: "+919019802163",
      speed_email: "email@email.com",
      zone_alert_notification: false,
      zone_alert_sms: "+919019802163",
      zone_alert_email: "email@email.com",
      harshbraking_notification: false,
      harshbraking_sms: "+919019802163",
      harshbraking_email: "email@email.com",
      harshturning_notification: false,
      harshturning_sms: "+919019802163",
      harshturning_email: "email@email.com",
      harshacceleration_notification: false,
      harshacceleration_email: "email@email.com",
      harshacceleration_sms: "+919019802163",
      trip_end_timer: 3,
      device_name: "device"
    },
    ..
  ]
}
```

26. Country List

API to get country list, while registering device

API - <https://api.amcrestgps.net/info/countries>

Method - GET

***Example -**

Response -

```
{
  message: "Country List",
  status: true,
  status_code: 200,
  countries: [{
    id: 1,
    country_name: "Afghanistan",
    country_iso_code: "AF",
    country_iso_code_2: "AFG"
  },
  ....
  {
    id: 250,
    country_name: "United States",
    country_iso_code: "US",
    country_iso_code_2: "USA"
  }
  ]
}
```

27. State List

API to get state list based on country.

API - https://api.amcrestgps.net/info/country/<country_id>/states

Method - GET

***Example -**

Request -

API - <https://api.amcrestgps.net/info/country/250/states>

Response -

```
{
  message: "States List",
  states: [{
    id: 7,
    country: "250",
    state_code: "AA",
    state_name: "Armed Forces Americas"
  },
  ....
  {

```

```
id: 65,  
country: "250",  
state_code: "WY",  
state_name: "Wyoming"  
}],  
status_code: 200  
}
```

28. Get list of langauges

API - <https://api.amcrestgps.net/info/langauges>

Method - GET

*Example -

Request -

API - <https://api.amcrestgps.net/info/langauges>

Response -

```
{  
message: "List of Langauges",  
status: true,  
status_code: 200,  
langauges: [{  
id: 6,  
code: "aa",  
value: "Afar"  
},  
.....  
{  
id: 603,  
code: "zza",  
value: "Zaza"  
}]  
}
```

29. Get Time zone list

Get list of time zone and use during Registration/Activation

API - <https://api.amcrestgps.net/info/timezones>

Method - GET

*Example -

Response -

```
{  
  "message": "Time Zone List",  
  "status": true,  
  "status_code": 200,  
}
```

```

"time_zone": [{
  "id": 1,
  "description": "(UTC-12:00) International Date Line West",
  "time_zone": "Pacific/Midway"
}, {
  "id": 2,
  "description": "(UTC-11:00) Coordinated Universal Time-11",
  "time_zone": "Pacific/Midway"
},
....
{
  "id": 98,
  "description": "(UTC+13:00) Samoa",
  "time_zone": "Pacific/Tongatapu"
}]
}

```

30. Validate IMEI

Use API to validate IMEI before registration/activation.

API - https://api.amcrestgps.net/info/imei_validation/<imei>

Method - GET

*Example -

Request -

API - https://api.amcrestgps.net/info/imei_validation/864251020319244

Response -

```

{
message': 'Valid IMEI',
status': True,
status_code': 200
}

```

OR

```

{
message': 'IMEI already in use, please try with another IMEI',
status': False,
status_code': 200
}

```

31. Odometer Event List

List of odometer Events in date range

API - https://api.amcrestgps.net/api/events/odometer/<customer_id>/<imei>?from=date-month-year&to=date-month-year

Method - GET

*Example -

Request -

API - <https://api.amcrestgps.net/api/events/odometer/123456/864251020319244?from=23-01-2019&to=24-01-2019>

Response -

```
{
  message: "Odometere details",
  from_date: "23-01-2019",
  to_date: "24-01-2019",
  odometere: [{
    id: 1,
    imei: "864251020319244",
    distance: 6.0,
    record_date: "2019-01-23",
    record_date_timezone: "2019-01-23"
  },
  .....
  {
    id: 2,
    imei: "864251020319244",
    distance: 6.0,
    record_date: "2019-01-24",
    record_date_timezone: "2019-01-24"
  },
  ],
  status_code: 200,
  status: true
}
```

32. Odometer List for particular Date

Get odometer events for the particular date

API - https://api.amcrestgps.net/api/events/odometer/<customer_id>/<imei>?date=date-month-yea

Method – GET

***Example -
Request -**

API - <https://api.amcrestgps.net/api/events/odometer/123456/864251020319244?date=23-01-2019>

Response -

```
{
  message: "Odometere details",
  date: "23-01-2019",
  odometere: {
    id: 1,
    imei: "864251020319244",
    distance: 6.0,
    record_date: "2019-01-23",
    record_date_timezone: "2019-01-23"
  },
  status_code: 200,
  status: true
}
```

33. Voltage Event

Get Voltage Events in date range and for single date

API - https://api.amcrestgps.net/api/events/voltage/<customer_id>/<imei>?from=date-month-year&to=date-month-year

Method - GET

***Example -
Request -**

<https://api.amcrestgps.net/api/events/voltage/123456/864251020319244?from=23-01-2019&to=24-01-2019>

Response -

```
{
  message: "Voltage details",
  from_date: "23-1-2019",
  to_date: "24-1-2019",
  voltage: [{
    id: 1,
    imei: "864251020319244",
    min_voltage: 12779.0,
    max_voltage: 13787.0,
    avg_voltage: 13333.4,
    record_date: "2019-01-23"
  }],
}
```

```

.....
{
id: 5,
imei: "864251020319244",
min_voltage: 12779.0,
max_voltage: 13787.0,
avg_voltage: 13333.4,
record_date: "2019-01-24"
}
],
status_code: 200,
status: true
}

```

34. Voltage Event for particular date

Get voltage Event for particular date

API - https://api.amcrestgps.net/api/events/voltage/<customer_id>/<imei>?date=date-month-year

*Example

API - <https://api.amcrestgps.net/api/events/voltage/123456/864251020319244?date=23-01-2019>

Response -

```

{
message: "voltage details",
date: "26-1-2019",
voltage: {
id: 1,
imei: "864251020319244",
min_voltage: 12779.0,
max_voltage: 13787.0,
avg_voltage: 13333.4,
record_date: "2019-01-26"
},
status_code: 200,
status: true
}

```

35. Harsh Events in date range

Get the Harsh Behavior events in date range.

API - https://api.amcrestgps.net/api/events/harsh_behaviour/<customer_id>/<imei>?from=date-month-year&to=date-month-year

Method - GET

***Example**

Request -

API -

https://api.amcrestgps.net/api/events/harsh_behaviour/123456/864251020319244?from=23-01-2019&to=26-01-2019

Response -

```
{
  message: "Harsh Events details",
  from_date: "23-1-2019",
  to_date: "26-1-2019",
  harsh_event: [{
    id: 1,
    imei: "864251020319244",
    harsh_type: "low speed harsh breaking behaviour",
    record_date: "2019-01-23",
    record_time: "17:26:37.234880"
  }, {
    id: 2,
    imei: "864251020319244",
    harsh_type: "low speed harsh breaking behaviour",
    record_date: "2019-01-23",
    record_time: "17:31:13.325901"
  },
  ....
  {
    id: 9,
    imei: "864251020319244",
    harsh_type: "low speed harsh breaking behaviour",
    record_date: "2019-01-26",
    record_time: "17:31:15.394725"
  }
  ],
  status_code: 200,
  status: true
}
```

36. Harsh Events for particular date

Get harsh events for a particular date.

API - https://api.amcrestgps.net/api/events/harsh_behaviour/<customer_id>/<imei>?date=date-month-year

Method - GET

***Example -**

Request -

API - https://api.amcrestgps.net/api/events/harsh_behaviour/123456/864251020319244?date=23-01-2019

Response -

```
{
message: "Harsh Events details",
date: "23-1-2019",
harsh_event: [{
id: 2,
imei: "864251020319244",
harsh_type: "low speed harsh breaking behaviour",
record_date: "2019-01-23",
record_time: "17:31:13.325901"
}, {
id: 1,
imei: "864251020319244",
harsh_type: "low speed harsh breaking behaviour",
record_date: "2019-01-23",
record_time: "17:26:37.234880"
}],
status_code: 200,
status: true
}
```

37. Get User Profile Details

Get User Profile details based on email id.

API - <https://api.amcrestgps.net/auth/user/profile/<email-id>>

Method - GET

*Example -

Request -

API - <https://api.amcrestgps.net/auth/user/profile/usermail@domain.com>

Response -

```
{
message: "User Profile",
details: {
id: 9,
first_name: "firstName",
last_name: "lastName",
email: "usermail@domain.com",
phone_number: "9874561230",
address: "Local Address",
city: "city",
state: "state",
}
```

```
zip: "111111",
country: "country",
customer_id: 268102,
company: "Amcrest",
time_zone: "Asia/Kolkata",
language: "it"
},
status_code: 200,
status: true
}
```

38. Update User Profile

Here user can update their profile.

API - <https://api.amcrestgps.net/auth/user/profile/<email-id>>

Method - PUT

*Example -

Request -

API - <https://api.amcrestgps.net/auth/user/profile/usermail@domain.com>

Payload -

```
{
id: 9,
first_name: "UpdateFirstName",
last_name: "UpdateLastName",
email: "usermail@domain.com",
phone_number: "9874561230",
address: "Local Address",
city: "city",
state: "state",
zip: "111111",
country: "country",
customer_id: 268102,
company: "Amcrest",
time_zone: "Asia/Kolkata",
language: "it"
}
```

Response -

```
{
message: "User profile updated successfully",
status: true,
status_code: 204
}
```

39. Get Location

To find the location using longitude and latitude.

API - <https://api.amcrestgps.net/api/location/<longitude>/<latitude>>

Method - GET

***Example -**

Request -

API - <https://api.amcrestgps.net/api/location/84.798752/19.310547>

Response -

```
{
  "message": "Retrieving location successful",
  "status_code": 200,
  "status": true,
  "location": {
    "longitude": "84.798752",
    "latitude": "19.310547",
    "location_name": "Hati Bandha Street, Manjari Nagar, Brahmapur, Odisha 760001"
  }
}
```

40. Forgot Password

Forgot password has 2 steps. After clicking forgot password and providing email-id. Email will sent to respective email-id. Email contains link to reset password.

a. Provide Email-id (Token Not required)

API - <https://api.amcrestgps.net/auth/forgot/password/<email>>

Method - GET

***Example -**

Request -

API - <https://api.amcrestgps.net/auth/forgot/password/useremail@domain.com>

Response -

```
{
  message: "Password reset email sent to the respective email-id, please check email",
  status: true,
  status_code: 200,
  email: useremail@domain.com
}
```

b. Reset Password (Token Required)

API - <https://api.atozecommerce.in/auth/reset/password>

Method - POST

Request -

```
{
password:Info@1234,
confirm_password:Info@1234,
email:useremail@domain.com
}
```

Response -

```
{
message: "Password Reset Successfull",
status_code: 200,
status: true
}
```

41. Change Password

To change existing password, use this API.

API - https://api.amcrestgps.net/auth/change_password/<email>

Method - POST

*Example -

Request -

API - https://api.amcrestgps.net/auth/change_password/useremail@domain.com

Payload -

```
{
"old_password":"Info@1234",
"new_password":"Info@12345"
}
```

Response -

```
{
message: "Password Changed Successfully",
status_code: 204,
status: true
}
```

42. Notification Token

This API accept device token to send notification on device.

API - <https://api.amcrestgps.net/api/notification/token>

Method - POST

a. Website Token

API - <https://api.amcrestgps.net/api/notification/token>

Request Payload -

```
{
customer_id:"8018742",
website:"w43r432rf2r24r3r",
category : obd/gps
}
```

b. Android Token

API - <https://api.amcrestgps.net/api/notification/token>

Request Payload -

```
{
customer_id:"8018742",
android:"w43r432rf2r24r3r",
category : obd/gps
}
```

c. ios Token

API - <https://api.amcrestgps.net/api/notification/token>

Request Payload -

```
{
customer_id:"8018742",
ios:"w43r432rf2r24r3r",
category : obd/gps
}
```

Response -

```
{
customer_id:"8018742",
android:"ejfbuerhfiuenhfouheirfi47hi34398",
website:"w43r432rf2r24r3r",
ios:"4r3f43f3"
}
```

43. Notification Token Remove

This API remove device token so after logout user won't get notification on device.

API - <https://api.amcrestgps.net/api/notification/remove/token>

Method - POST

b. Website Token

API - <https://api.amcrestgps.net/api/notification/remove/token>

Request Payload -

```
{
customer_id:"8018742",
website:null,
category : obd/gps
}
```

b. Android Token

API - <https://api.amcrestgps.net/api/notification/remove/token>

Request Payload -

```
{
customer_id:"8018742",
android:null,
category : obd/gps
}
```

c. ios Token

API - <https://api.amcrestgps.net/api/notification/remove/token>

Request Payload -

```
{
customer_id:"8018742",
ios:null,
category : obd/gps
}
```

Response -

```
{
message: "Token removed Successfully",
status: true,
status_code: 200
}
```

44. Engine Summary

Get engine summary between trip start time and trip end time using send time.

API - https://api.amcrestgps.net/api/engine_summary/<imei>

Method - POST

*Example -

Request Payload -

API - https://api.amcrestgps.net/api/engine_summary/864251020319244

```
{
trip_dates:[
{
start:20190204051414,
end:20190205121416
},
{
start:20190204051414,
end:20190205121416
}
]
}
```

Response -

```
{
message: "Engine Summary",
status: true,
status_code: 200,
engine_summary: [
{
id: 110,
date: "28/01/2019",
time: "11:07:12",
protocol_version: "360901",
imei: "864251020319244",
device_name: null,
journey_fuel_consumption: null,
max_rpm: 1623,
average_rpm: 1381,
max_throttle_position: 23,
average_throttle_position: 17,
max_engine_load: 58,
average_engine_load: 34,
gps_accuracy: 0,
speed: 0,
longitude: 85.813191,
latitude: 20.307191,
gps_utc_time: "20190128025435",
mileage: 511.5,
send_time: 20190128025438,
count_number: "AF90",
protocol: "+RESP:GTJES",
created_date: "2019-02-05T11:43:49.876739Z"
},
{
id: 110,
```

```
date: "28/01/2019",
time: "11:07:12",
protocol_version: "360901",
imei: "864251020319244",
device_name: null,
journey_fuel_consumption: null,
max_rpm: 1623,
average_rpm: 1381,
max_throttle_position: 23,
average_throttle_position: 17,
max_engine_load: 58,
average_engine_load: 34,
gps_accuracy: 0,
speed: 0,
longitude: 85.813191,
latitude: 20.307191,
gps_utc_time: "20190128025435",
mileage: 511.5,
send_time: 20190128025438,
count_number: "AF90",
protocol: "+RESP:GTJES",
created_date: "2019-02-05T11:43:49.876739Z"
}
]
}
```

45. Current Trip

Current trip give the records of current trip running with latitude and longitude.

API - <https://api.amcrestgps.net/api/current/trip/<imei>?category=<category>>

Method - GET

Category ->

- a. gps
- b. obd

*Example

Request -

API - <https://api.amcrestgps.net/api/current/trip/1234567890?category=obd>

Response -

```
{
message: "Current Trip",
status: true,
}
```

```
status_code: 200,
trip: {
id: "5c557573f3efb259a50b1b8b",
imei: "1234567890",
total_distance: 0.0,
total_time: 120.0,
trip_log: {
trip: [{
protocol: "+RESP:GTOBD",
date: "02/02/2019",
time: "16:18:19",
protocol_version: "360901",
imei: "1234567890",
device_name: null,
obd_connection: "1",
obd_power_voltage: "12686",
supported_pid: "983A8140",
engine_rpm: null,
vehicle_speed: null,
engine_coolant_temp: null,
fuel_consumption: null,
dtc_cleared_distance: null,
mil_activated_distance: null,
mil_status: null,
number_of_dtc: null,
diagnostic_trouble_codes: null,
throttle_position: null,
engine_load: null,
fuel_level_input: null,
obd_protocol: "6",
obd_mileage: "30",
gps_accuracy: "0",
speed: "3.9",
longitude: "85.820893",
latitude: "20.358351",
gps_utc_time: "00",
mileage: "329.0",
send_time: "20190202054715",
count_number: "179B"
}],{
protocol: "+RESP:GTOBD",
date: "02/02/2019",
time: "16:18:19",
protocol_version: "360901",
imei: "1234567890",
device_name: null,
obd_connection: "1",
obd_power_voltage: "12686",
supported_pid: "983A8140",
```

```

engine_rpm: null,
vehicle_speed: null,
engine_coolant_temp: null,
fuel_consumption: null,
dtc_cleared_distance: null,
mil_activated_distance: null,
mil_status: null,
number_of_dtc: null,
diagnostic_trouble_codes: null,
throttle_position: null,
engine_load: null,
fuel_level_input: null,
obd_protocol: "6",
obd_mileage: "30",
gps_accuracy: "0",
speed: "3.9",
longitude: "85.820893",
latitude: "20.358351",
gps_utc_time: "00",
mileage: "329.0",
send_time: "20190202054715",
count_number: "179B"
}}}}

```

46. Trip Available dates API

Trip available date API give response of dates in which trips available.

API - https://api.amcrestgps.net/api/trips/dates/<customer_id>/<imei>?category=<category>

Category -

- > gps
- > obd

Method - GET

***Example -**

Request -

API - <https://api.amcrestgps.net/api/trips/dates/123456/123456789012345?category=obd>

Response -

```

{
message: "Avalailable Trip Dates",
status_code: 200,
status: true,
details: [
{

```

```
record_date_timezone: "08-01-2019" (date-month-year)
},.....
]
trip_running: true,
}
```

47. Trip Log / List

Trip List API which give list of records with it, long and other information. And it also give time travelled and distance travelled

API - https://api.amcrestgps.net/api/trips/list/<customer_id>/<imei>/<date>/<month>/<year>

Method – GET

*Example -

Request -

API - <https://api.amcrestgps.net/api/trips/list/123456/864251020323808/08/01/2019>

Response –

```
{
message: "Trip List For date : 8-1-2019",
status_code: 200,
status: true,
imei: "864251020323808",
trips: [
{
id: "5c349249f3efb2720a2054ea",
record_date: "08-01-2019",
measure_id: 495006,
trip_log: [
[
{
date: "08/01/2019",
time: "17:36:30",
protocol: "+RESP:GTIGN",
protocol_version: "360901",
imei: "864251020323808",
device_name: null,
duration_of_ignition_off: "82602",
gps_accuracy: "0",
longitude: "85.826835",
latitude: "20.344462",
gps_utc_time: "20190105051800",
hour_meter_count: null,
mileage: "180.3",
```

```
send_time: "20190105001659",
count_number: "9D62"
},
{
protocol: "+RESP:GTOBD",
date: "08/01/2019",
time: "17:36:30",
protocol_version: "360901",
imei: "864251020323808",
device_name: null,
obd_connection: "1",
obd_power_voltage: "14358",
supported_pid: "983A8000",
engine_rpm: "964",
vehicle_speed: "19",
engine_coolant_temp: "0",
fuel_consumption: "7.5",
dtc_cleared_distance: null,
mil_activated_distance: null,
mil_status: "0",
number_of_dtc: "0",
diagnostic_trouble_codes: null,
throttle_position: "13",
engine_load: "26",
fuel_level_input: null,
obd_protocol: "6",
obd_mileage: "5",
gps_accuracy: "0",
speed: "20.5",
longitude: "-95.643188",
latitude: "29.838755",
gps_utc_time: "00",
mileage: "165.1",
send_time: "20190105001659",
count_number: "2E59"
},
{
protocol: "+RESP:GTOBD",
date: "08/01/2019",
time: "17:36:31",
protocol_version: "360901",
imei: "864251020323808",
device_name: null,
obd_connection: "1",
obd_power_voltage: "14358",
supported_pid: "983A8000",
engine_rpm: "964",
vehicle_speed: "19",
engine_coolant_temp: "0",
```

```
fuel_consumption: "7.5",
dtc_cleared_distance: null,
mil_activated_distance: null,
mil_status: "0",
number_of_dtc: "0",
diagnostic_trouble_codes: null,
throttle_position: "13",
engine_load: "26",
fuel_level_input: null,
obd_protocol: "6",
obd_mileage: "10",
gps_accuracy: "0",
speed: "20.5",
longitude: "-95.643188",
latitude: "29.838755",
gps_utc_time: "00",
mileage: "165.1",
send_time: "20190105001859",
count_number: "2E59"
},
{
protocol: "+RESP:GTOBD",
date: "08/01/2019",
time: "17:36:31",
protocol_version: "360901",
imei: "864251020323808",
device_name: null,
obd_connection: "1",
obd_power_voltage: "14358",
supported_pid: "983A8000",
engine_rpm: "964",
vehicle_speed: "19",
engine_coolant_temp: "0",
fuel_consumption: "7.5",
dtc_cleared_distance: null,
mil_activated_distance: null,
mil_status: "0",
number_of_dtc: "0",
diagnostic_trouble_codes: null,
throttle_position: "13",
engine_load: "26",
fuel_level_input: null,
obd_protocol: "6",
obd_mileage: "10",
gps_accuracy: "0",
speed: "20.5",
longitude: "-95.643188",
latitude: "29.838755",
gps_utc_time: "00",
```

```
mileage: "165.1",
send_time: "20190105001959",
count_number: "2E59"
},
{
protocol: "+RESP:GTOBD",
date: "08/01/2019",
time: "17:36:32",
protocol_version: "360901",
imei: "864251020323808",
device_name: null,
obd_connection: "1",
obd_power_voltage: "14358",
supported_pid: "983A8000",
engine_rpm: "964",
vehicle_speed: "19",
engine_coolant_temp: "0",
fuel_consumption: "7.5",
dtc_cleared_distance: null,
mil_activated_distance: null,
mil_status: "0",
number_of_dtc: "0",
dignostic_trouble_codes: null,
throttle_position: "13",
engine_load: "26",
fuel_level_input: null,
obd_protocol: "6",
obd_mileage: "20",
gps_accuracy: "0",
speed: "20.5",
longitude: "-95.643188",
latitude: "29.838755",
gps_utc_time: "00",
mileage: "165.1",
send_time: "20190105002059",
count_number: "2E59"
},
{
date: "08/01/2019",
time: "17:36:32",
protocol: "+RESP:GTIGF",
protocol_version: "360901",
imei: "864251020323808",
device_name: null,
duration_of_ignition_off: "359",
gps_accuracy: "0",
longitude: "85.826819",
latitude: "20.354165",
gps_utc_time: "20190105052359",
```

```
hour_meter_count: null,  
mileage: "181.5",  
send_time: "20190105002159",  
count_number: "9D77"  
}  
],  
imei: "864251020323808",  
driver_id: "1",  
trip_mesurement: {  
id: "5c349249f3efb2720a2054eb",  
measure_id: 495006,  
total_distance: [  
20  
],  
total_time: [  
5  
]  
}  
},  
trip_running: false  
}
```