

## pingPostLead

**URL for HTTP GET or POST methods:** <https://leads.callconnectleads.com/api.php>

This function has three modes.

- **Ping mode:** in "ping" mode you can submit partial lead information as defined in "**Ping Required**" column of the specification to check if lead can be matched.
- **Post mode:** Based on the "ping" response (matched, unmatched) you can then post the full lead info. Required fields are defined in "**Post Required**" column of the specification.
- **Full mode:** This mode can be used if one has the full lead and would like to submit it just once but system still does ping and then post steps internally. In this case the lead must contain all required values for ping and for post mode, except Lead\_ID.
- **Cost:** optionally, a lead cost can be submitted in the ping request. It then overrides lead cost values in the system. Cost should be sent only in ping mode, in post mode it is ignored. It is also ignored if equal or less then zero value is sent.

### Ping Post Instructions

#### Home Improvement Lead Type

Ping Required	Post Required	Field name	Values	Example
YES	YES	Key	string (provided by site admin)	c65KcIcVojZ_odK5ojoW9x-J8sfJ-.GjvxUEcjo.cg-JoW5_9d3uFePP
YES	YES	API_Action	name of the API function to call	pingPostLead
YES	YES	Mode	string, one of: ping post full	ping
NO	NO	Cost	real number greater than 0	2.55
NO	YES	Lead_ID	Lead ID number received in response of "ping" mode.	1234
NO	NO	Allowed_Times_Sold	Max. number of times a lead can be sold.	2
NO	NO	Return_Hash_Type	Hashes of the matches sent back in response. Must be used together with Return_Hash_Value_Type  <u>Allowed values: sha1, md5.</u>	sha1
NO	NO	Return_Hash_Value_Type	Hashes of the matches sent back in response. Must be used together with Return_Hash_Type  <u>Allowed values: email, phone, company, promotionCode, partnerGroup</u>	email
NO	NO	Skip_Partner_ID	List the partners to skip in processing (exclude from being matched). Comma	142,1543,225

			delimited list of values.	
<b>YER (only if dynamic pricing)</b>	NO	Return_Best_Price	1 (Only if vendor is on dynamic pricing)	1
<b>YES</b>	<b>YES</b>	<b>TYPE</b>	7	7
NO	NO	Test_Lead	1 (Only when testing)	1
NO	NO	Skip_XSL	Do not include XSL path in XML response	1
NO	NO	Match_With_Partner_ID	Comma separeated list with Client IDs to only match with	22,456
NO	NO	Redirect_URL	Set your redirect URL.	<a href="http://www.yoursite.com/">http://www.yoursite.com/</a>
NO	NO	C_Extension	Varchar (100)	C_Extension
NO	NO	C_LocPhys	Varchar (100)	C_LocPhys
NO	NO	C_LocIntr	Varchar (100)	C_LocIntr
NO	NO	C_MatchType	Varchar (100)	C_MatchType
NO	NO	C_Device	Varchar (100)	C_Device
NO	NO	C_Ace	Varchar (100)	C_Ace
NO	NO	C_AdPos	Varchar (100)	C_AdPos
NO	NO	HTTP_User_Agent	Varchar (100)	HTTP_User_Agent
NO	NO	Is_Complete	Varchar (100)	Is_Complete
NO	NO	Lead_Submit_Product_Type	Varchar (100)	Lead_Submit_Product_Type
NO	NO	Originating_Product	Varchar (100)	Originating_Product
NO	NO	Originating_QF	Varchar (100)	Originating_QF
NO	NO	Form_Start_Date	Varchar (100)	Form_Start_Date
NO	NO	Form_Complete_Date	Varchar (100)	Form_Complete_Date
NO	NO	Esource_ID	Varchar (100)	Esource_ID
NO	NO	DNS_Host_Name	Varchar (100)	DNS_Host_Name
NO	NO	C_Term	Varchar (100)	C_Term
NO	NO	C_Source	Varchar (100)	C_Source
NO	NO	C_Name	Varchar (100)	C_Name

NO	NO	C_Method	Varchar (100)	C_Method
NO	NO	C_Content	Varchar (100)	C_Content
NO	NO	Webpage_Query_Vid	Varchar (100)	Webpage_Query_Vid
NO	NO	Template_ID	Varchar (100)	Template_ID
NO	NO	Version	Varchar (100)	Version
NO	NO	Webpage_Name	Varchar (100)	Webpage_Name
NO	NO	Ad_Type_ID	Varchar (100)	Ad_Type_ID
NO	NO	Webpage_Query_800_Num	Varchar (100)	Webpage_Query_800_Num
NO	NO	Webpage_Query_C_Channel	Varchar (100)	Webpage_Query_C_Channel
NO	NO	Webpage_Query_I_Code	Varchar (100)	Webpage_Query_I_Code
NO	NO	Webpage_Query_Promo	Varchar (100)	Webpage_Query_Promo
NO	NO	Ad_Pxl	Varchar (100)	Ad_Pxl
NO	YES	IP_Address	Varchar (30)	75.2.92.149
YES	NO	SRC	Assigned by lead company	test
NO	YES	Landing_Page	Assigned by lead company	landing
NO	NO	Sub_ID	Varchar (100)	12
NO	NO	Pub_ID	Varchar (100)	12345
NO	NO	Phone_Type	Varchar (100)	Phone_Type
NO	NO	Phone_Consent	Set. Allowed values: Yes No	Yes
NO	NO	Consent_Language	Varchar (1000)	Consent_Language
NO	NO	Home_Service_Schedule	Varchar (100)	Home_Service_Schedule
NO	NO	Requested_City	Varchar (100)	Requested_City
NO	NO	Requested_State	Valid US state abbreviation. Varchar (2)	IL
NO	NO	Requested_Zip	Valid Requested_Zip. 5 digits	60610
NO	YES	First_Name	Varchar (100)	John
NO	YES	Last_Name	Varchar (100)	Doe

NO	<b>YES</b>	<b>Address</b>	Varchar (100)	123 Main St.
NO	<b>YES</b>	<b>City</b>	Varchar (100)	Chicago
<b>YES</b>	NO	State	Valid US state abbreviation. Varchar (2)	IL
<b>YES</b>	NO	Zip	Valid Zip. 5 digits	60610
NO	<b>YES</b>	<b>Email</b>	Valid email. Varchar (100)	test@nags.us
NO	<b>YES</b>	<b>Home_Phone</b>	Valid phone. 10 digits	3125556491
NO	NO	Cell_Phone	Valid phone. 10 digits	3125559682
NO	NO	Best_Time_To_Contact	Set. Allowed values: Morning Afternoon Evening	Morning
<b>YES</b>	NO	Home_Improvement_Product	Set. Allowed values: Bathroom Remodel Cabinet Refacing Decks Fences Flooring Garage Doors Gutters Home Insulation In Ground Swimming Pools Kitchen Remodel Painting - Interior Painting - Exterior Sunrooms Tex-Cote Landscaping Additions Patio Covers Pest Control Solar Electric Solar Thermal Roofing - Asphalt Shingle Roofing - Composite Roofing - Metal Roofing - Tile HVAC - New A/C HVAC - New Furnace HVAC - New Heat Pump Siding - Vinyl Siding - Wood Siding - Fiber Cement Replacement Windows - 1 or 2 Replacement Windows - 3 to 5 Replacement Windows - 6 to 9 Replacement Windows - 10+ Basement Remodel Flooring - Carpet Flooring - Hardwood Flooring - Laminate Flooring - Tile	Bathroom Remodel

			Flooring - Linoleum Countertops Home Security Plumbing Electrical Fences - Wood Fences - Vinyl HVAC - A/C Repair HVAC - Heater Repair Painting - Interior 1 or 2 Rooms Painting - Interior 3 or 4 Rooms Painting - Interior 5 + Rooms Roof Repair - Metal Roof Repair - Tile or Shingle Window - Repair Window Glass - Repair Cable and Satellite TV Carpenters Contractors Disabled Persons Emergency Handyman Home Inspection Lawn and Garden Moving Patio, Porches and Enclosures Storage Tile and Stone Home Warranty Maids and Cleaning Services Doors ----- Plumbing - Drain Cleaning Plumbing - Fixtures Plumbing - Gas Piping Plumbing - Contractors Plumbing - Septic System Install Plumbing - Septic System Repair Plumbing - Septic Tank Pump Plumbing - Sewer Pipe Electrical Switches, Outlets and Fixtures Electrical for Home Additional or Remodel Electrical Wiring or Panel Upgrade Pest Control - Termites Pest Control - Bugs and/or Rodents Moving - Local Moving - Long Distance Replacement Window - 1 Replacement Window - 2 Install Granite Countertops Install Laminate Countertops Install Marble Countertops Install Tile Countertops Interior Painting: 5-6 Rooms Interior Painting: 7-8 Rooms Interior Painting: 9+ Rooms Painting - Interior 2-3 Rooms Siding - Brick or Stone Siding - Traditional Stucco HVAC - New Boiler Home Security - Existing System	
--	--	--	--	--

			Home Security - New Install	
NO	NO	Prospect_Owns_Property	Set. Allowed values: Yes No	Yes
NO	NO	Need_Financing	Set. Allowed values: Yes No	Yes
<b>YES</b>	<b>NO</b>	<b>Score</b>	<b>Integer</b>	<b>12</b>
NO	NO	Average_Electric_Bill	Varchar (100)	Average_Electric_Bill
NO	NO	Roof_Shade	Varchar (255)	Roof_Shade
NO	NO	Pickup_Zip_Code	Valid Pickup_Zip_Code. 5 digits	60610
NO	NO	Move_Date	Valid date. m/d/Y	12/23/1980
NO	NO	Delivery_Zip_Code	Valid Delivery_Zip_Code. 5 digits	60610
NO	NO	Time_Frame	Set. Allowed values: Immediately 1-6 Months Don't Know	Immediately
NO	NO	HVAC_Type	Set. Allowed values: Natural gas fired Propane gas fired Oil fired Electric fired	Natural gas fired
NO	NO	Bathroom_Change_Floorplan	Set. Allowed values: Yes No	Yes
NO	NO	Bathroom_Remodel_Shower_Bath	Set. Allowed values: Yes No	Yes
NO	NO	Bathroom_Remodel_Toilet	Set. Allowed values: Yes No	Yes
NO	NO	Bathroom_Remodel_Cabinets_Vanity	Set. Allowed values: Yes No	Yes
NO	NO	Bathroom_Remodel_Countertops	Set. Allowed values: Yes No	Yes
NO	NO	Bathroom_Remodel_Sinks	Set. Allowed values: Yes No	Yes

NO	NO	Bathroom_Remodel_Flooring	Set. Allowed values: Yes No	Yes
NO	NO	Handyman_Location	Set. Allowed values: Home/Residence Business	Home/Residence
NO	NO	Project_Budget	Set. Allowed values: \$2,000 - \$5,000 \$6,000 - \$9,000 \$10,000+	\$2,000 - \$5,000
NO	NO	Kitchen_Update_Cabinets	Set. Allowed values: Yes No	Yes
NO	NO	Kitchen_Move_Appliances	Set. Allowed values: Yes No	Yes
NO	NO	Kitchen_Update_Countertops	Set. Allowed values: Yes No	Yes
NO	NO	Kitchen_Update_Sinks	Set. Allowed values: Yes No	Yes
NO	NO	Kitchen_Update_Flooring	Set. Allowed values: Yes No	Yes
NO	NO	Kitchen_Update_Lighting	Set. Allowed values: Yes No	Yes
NO	NO	Kitchen_Change_Floorplan	Set. Allowed values: Yes No	Yes
NO	NO	Siding_Project	Set. Allowed values: Replace existing siding Siding for new addition Siding for new home Repair sections	Replace existing siding
NO	NO	Siding_Asbestos_Removal	Set. Allowed values: Yes No	Yes
NO	NO	Siding_Floors_Above_Ground	Set. Allowed values: One Two Three or more	One
NO	NO	Roofing_Main_Floor	Set. Allowed values:	Less than five hundred

			Less than five hundred Five hundred to thousand Thousand sq ft to fifteen hundred Fifteen hundred to two thousand Two thousand to twenty five hundred Greater than twenty five hundred	
NO	NO	Roofing_Project	Set. Allowed values: Replace Install Repair	Replace
NO	NO	Roofing_Steepest_Part	Set. Allowed values: Flat Pitched	Flat
NO	NO	HVAC_Need	Set. Allowed values: Consultation Information Quotes	Consultation
NO	NO	HVAC_Financing	Set. Allowed values: Yes No	Yes
NO	NO	Comments	Varchar (255)	Comments

### XML Post:

You can send the data as XML post. You can send the XML data to the following URL.

**XML Post URL:** <https://leads.callconnectleads.com/apiXML.php>

All required values are being evaluated as stated in the table above. The XML data structure to be posted is as follows.

```
<?xml version="1.0"?>
<Request>
  <Key></Key>
  <API_Action></API_Action>
  <Mode></Mode>
  <Cost></Cost>
  <Allowed_Times_Sold></Allowed_Times_Sold>
  <Return_Hash_Type></Return_Hash_Type>
  <Return_Hash_Value_Type></Return_Hash_Value_Type>
  <Lead_ID></Lead_ID>
  <Skip_Partner_ID></Skip_Partner_ID>
  <Return_Best_Price></Return_Best_Price>
  <TYPE></TYPE>
  <Test_Lead></Test_Lead>
  <Skip_XSL></Skip_XSL>
  <Match_With_Partner_ID></Match_With_Partner_ID>
  <Redirect_URL></Redirect_URL>
  <Data>
    <C_Extension></C_Extension>
    <C_LocPhys></C_LocPhys>
    <C_LocIntr></C_LocIntr>
    <C_MatchType></C_MatchType>
    <C_Device></C_Device>
    <C_Ace></C_Ace>
    <C_AdPos></C_AdPos>
    <HTTP_User_Agent></HTTP_User_Agent>
    <Is_Complete></Is_Complete>
    <Lead_Submit_Product_Type></Lead_Submit_Product_Type>
    <Originating_Product></Originating_Product>
    <Originating_QF></Originating_QF>
    <Form_Start_Date></Form_Start_Date>
  </Data>
</Request>
```



<Form\_Complete\_Date></Form\_Complete\_Date>  
<Esource\_ID></Esource\_ID>  
<DNS\_Host\_Name></DNS\_Host\_Name>  
<C\_Term></C\_Term>  
<C\_Source></C\_Source>  
<C\_Name></C\_Name>  
<C\_Method></C\_Method>  
<C\_Content></C\_Content>  
<Webpage\_Query\_Vid></Webpage\_Query\_Vid>  
<Template\_ID></Template\_ID>  
<Version></Version>  
<Webpage\_Name></Webpage\_Name>  
<Ad\_Type\_ID></Ad\_Type\_ID>  
<Webpage\_Query\_800\_Num></Webpage\_Query\_800\_Num>  
<Webpage\_Query\_C\_Channel></Webpage\_Query\_C\_Channel>  
<Webpage\_Query\_I\_Code></Webpage\_Query\_I\_Code>  
<Webpage\_Query\_Promo></Webpage\_Query\_Promo>  
<Ad\_Pxl></Ad\_Pxl>  
<IP\_Address></IP\_Address>  
<SRC></SRC>  
<Landing\_Page></Landing\_Page>  
<Sub\_ID></Sub\_ID>  
<Pub\_ID></Pub\_ID>  
<Phone\_Type></Phone\_Type>  
<Phone\_Consent></Phone\_Consent>  
<Consent\_Language></Consent\_Language>  
<Home\_Service\_Schedule></Home\_Service\_Schedule>  
<Requested\_City></Requested\_City>  
<Requested\_State></Requested\_State>  
<Requested\_Zip></Requested\_Zip>  
<First\_Name></First\_Name>  
<Last\_Name></Last\_Name>  
<Address></Address>  
<City></City>  
<State></State>  
<Zip></Zip>  
<Email></Email>  
<Home\_Phone></Home\_Phone>  
<Cell\_Phone></Cell\_Phone>  
<Best\_Time\_To\_Contact></Best\_Time\_To\_Contact>  
<Home\_Improvement\_Product></Home\_Improvement\_Product>  
<Prospect\_Owns\_Property></Prospect\_Owns\_Property>  
<Need\_Financing></Need\_Financing>  
<Score></Score>  
<Average\_Electric\_Bill></Average\_Electric\_Bill>  
<Roof\_Shade></Roof\_Shade>  
<Pickup\_Zip\_Code></Pickup\_Zip\_Code>  
<Move\_Date></Move\_Date>  
<Delivery\_Zip\_Code></Delivery\_Zip\_Code>  
<Time\_Frame></Time\_Frame>  
<HVAC\_Type></HVAC\_Type>  
<Bathroom\_Change\_Floorplan></Bathroom\_Change\_Floorplan>  
<Bathroom\_Remodel\_Shower\_Bath></Bathroom\_Remodel\_Shower\_Bath>  
<Bathroom\_Remodel\_Toilet></Bathroom\_Remodel\_Toilet>  
<Bathroom\_Remodel\_Cabinets\_Vanity></Bathroom\_Remodel\_Cabinets\_Vanity>  
<Bathroom\_Remodel\_Countertops></Bathroom\_Remodel\_Countertops>  
<Bathroom\_Remodel\_Sinks></Bathroom\_Remodel\_Sinks>  
<Bathroom\_Remodel\_Flooring></Bathroom\_Remodel\_Flooring>  
<Handyman\_Location></Handyman\_Location>  
<Project\_Budget></Project\_Budget>  
<Kitchen\_Update\_Cabinets></Kitchen\_Update\_Cabinets>  
<Kitchen\_Move\_Appliances></Kitchen\_Move\_Appliances>  
<Kitchen\_Update\_Countertops></Kitchen\_Update\_Countertops>  
<Kitchen\_Update\_Sinks></Kitchen\_Update\_Sinks>  
<Kitchen\_Update\_Flooring></Kitchen\_Update\_Flooring>  
<Kitchen\_Update\_Lighting></Kitchen\_Update\_Lighting>  
<Kitchen\_Change\_Floorplan></Kitchen\_Change\_Floorplan>  
<Siding\_Project></Siding\_Project>  
<Siding\_Asbestos\_Removal></Siding\_Asbestos\_Removal>  
<Siding\_Floors\_Above\_Ground></Siding\_Floors\_Above\_Ground>  
<Roofing\_Main\_Floor></Roofing\_Main\_Floor>  
<Roofing\_Project></Roofing\_Project>  
<Roofing\_Steepest\_Part></Roofing\_Steepest\_Part>  
<HVAC\_Need></HVAC\_Need>  
<HVAC\_Financing></HVAC\_Financing>  
<Comments></Comments>

```

</Data>
<Matches>
  <Match ValueType="promotionCode" HashType="plain">test code</Match>
  <Match ValueType="promotionCode" HashType="plain">12345</Match>
</Matches>
<Match_With_Partner_Hashes>
  <Selected_Partner_Hash                               ValueType="company"
HashType="md5">ewd5692602fc4sa545e4feb0ew3964c5</Selected_Partner_Hash>
  <Selected_Partner_Hash                               HashType="md5"
ValueType="company">f26e492602fc4b4077feb0d80d3964c5</Selected_Partner_Hash>
</Match_With_Partner_Hashes>
</Request>

```

**Note:** To use the **Matches** and/or **Match\_With\_Partner\_Hashes** functionality, you must use the XML Post method of this API.

Tag Name	Description	Note
<b>Data</b>	Put appropriate lead data tags	The set of data tags depends on lead type
<b>Matches</b>	Matches made by vendor	When you sold the lead already put information about your matches here. This section is not required.
<b>Match</b>	Information about your match	Put hashed or unhashed value of the phone or email or company, etc.
<b>ValueType</b>	The property of <b>Match</b> tag	Description of data type provided. <b>Allowed values: email, phone, company, promotionCode, partnerGroup</b> (use group ID for partnerGroup)
<b>HashType</b>	The property of <b>Match</b> tag	Description of hash type provided. <b>Allowed values: sha1, md5.</b>
<b>Match_With_Partner_Hashes</b>	Request to match the lead with specific partners	Hashes must be selected from the list of hashes provided in ping response when using Return Hashes option. HashType and ValueType of the Selected_Partner_Hash tag must be the same as used in the Return Hashes option in ping.
<b>Selected_Partner_Hash</b>	The hash of a partner a lead is requested to be matched with	Hash must be selected from the list of hashes provided on ping when using Return Hashes option
<b>HashType</b>	The property of <b>Selected_Partner_Hash</b> tag	Description of hash type provided. <b>Allowed values: sha1, md5.</b>
<b>ValueType</b>	The property of <b>Selected_Partner_Hash</b> tag	Description of data type provided. <b>Allowed values: email, phone, company, promotionCode, partnerGroup</b> (use group ID for partnerGroup)

**Note:** State is NOT required on the ping as long as a valid zip code is sent. We will do a zip code -> state look up on our end.

**Response Matched Example:**

```

<?xml version="1.0" encoding="UTF-8"?>
<response>
  <status>Matched</status>
  <lead_id>874</lead_id>
  <price>25</price>
</response>

```

**Response Matched Example with Allowed\_Times\_Sold used:**

```

<?xml version="1.0" encoding="UTF-8"?>
<response>
  <status>Matched</status>
  <lead_id>874</lead_id>
  <matches>5</matches>
</response>

```

**Response Matched Example with sent back hashes:**

```

<?xml version="1.0" encoding="UTF-8"?>
<response>
  <status>Matched</status>
  <lead_id>348</lead_id>
  <hashes>
    <hash
      ValueType="email">8561c83bb23a3f77345fa2b6b50b1f4e</hash>
    <hash
      ValueType="email">8561c83bb23a3f77345fa2b6b50b1f4e</hash>
  </hashes>
</response>

```

HashType= "md5 "

HashType= "md5 "

**Response Unmatched Example:**

```

<?xml version="1.0" encoding="UTF-8"?>
<response>
  <status>Unmatched</status>
  <lead_id>874</lead_id>
</response>

```

Name	Description	Note
<b>status</b>	Result of the action	
<b>lead_id</b>	ID number of successfully submitted lead	Returned on success
<b>price</b>	The best price at which a lead can be accepted.	Returned on success and only if <b>Return_Best_Price</b> was submitted in "ping"

**Response - error:**

```

<?xml version="1.0" encoding="UTF-8"?>
<response>
  <status>Error</status>
  <error>Required value First_Name is missing</error>
</response>

```

Name	Description	Note
<b>status</b>	Result of the action	
<b>error</b>	Error message	Returned on error

**GET request example:**

[https://leads.callconnectleads.com/api.php?Key=c65KeXaMpLe\\_odU5ojoW9x-J9sfJ-GjoxUEcjo.cg-JoW5\\_9d3uFePP&API\\_Action=pingPostLead&Mode=post&First\\_Name=John&Last\\_Name=Doe](https://leads.callconnectleads.com/api.php?Key=c65KeXaMpLe_odU5ojoW9x-J9sfJ-GjoxUEcjo.cg-JoW5_9d3uFePP&API_Action=pingPostLead&Mode=post&First_Name=John&Last_Name=Doe)