

Bengali Indic Input 3 - User Guide

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1. What is Bengali Indic Input 3?

Bengali Indic Input 3 provides a very convenient way of entering text in Bengali Language using the English QWERTY keyboard in any editing application (Office Application/WordPad /Notepad) that supports Text. Bengali Indic Input 3 tool will be packaged as a setup and running the setup will invoke the services. The tool supports all popular keyboard layouts.

1.1. System Requirements

Windows Vista
Windows 7
Windows 8

*Tool is compatible with equivalent 64-bit Operating Systems mentioned above.

1.2. Application Requirements

Microsoft Office 2007 and above (including Access)

2. To Install Bengali Indic Input 3

Installation of the Bengali Indic Input 3 is a very easy process that takes less than two minute to complete.

Run or double click **Bengali Indic Input 3 Setup**. The setup wizard will guide you through the installation process. Once the installation process is complete, **Bengali Indic Input 3 has been successfully installed** will be displayed.

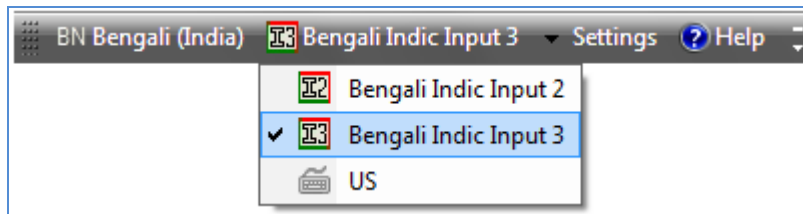
Note: On Windows Vista, Windows 7 and Windows 8, if your user login does not have administrative privileges or is not included in the user group of administrators right click the "**Setup.exe**" icon and select "**Run as Administrator**".

3. To Use Bengali Indic Input 3

1. Start any Office application, including WordPad or Notepad.
2. Click the Language Indicator located in the System Tray on the right side of the Windows taskbar or on Language bar as shown below and select **BN-Bengali (India)**.



3. Select **Bengali Indic Input 3** from the shortcut menu that appears. The PC is now ready to start typing in Bengali.

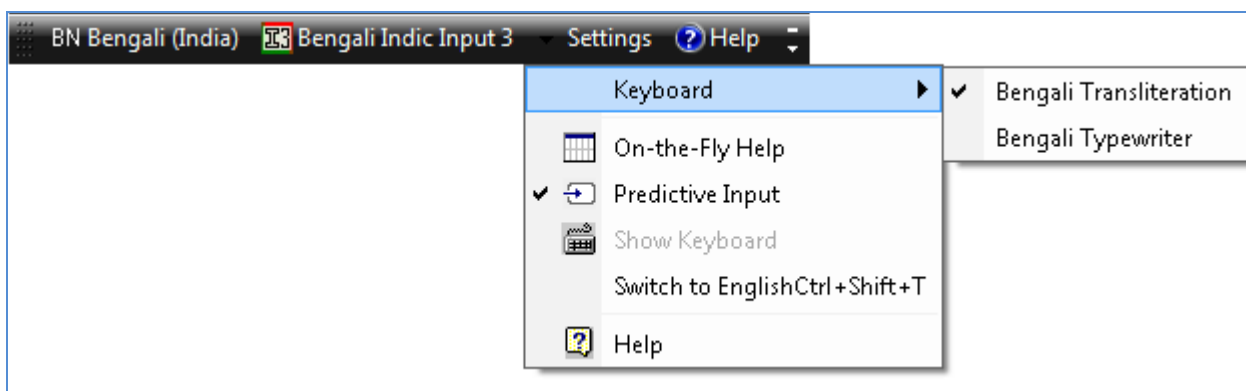


Note:

- For optimum results use updated version (Get from Windows XP onwards machine) of **Vrinda Font**.
- If you are unable to view Language bar on your PC [Click Here](#).

4. Supported Keyboards

Bengali Indic Input 3 supports various types of Keyboards. Click **Settings** Icon and select **Keyboard**. Choose keyboard layout of your choice form list of available keyboards.



4.2. Bengali Transliteration

User can type his message in Roman using the Standard English keyboard, which is transliterated on-the-fly to Bengali. It works on the logic of phonetics and is most effective when user write the word the way it is spoken.

4.2.1. Keyboard Rules

Vyanjan (Consonants)									
ক	ka,ca,qa	খ	kha	গ	ga	ঘ	gha	ঙ	Nga
চ	cha	ছ	chha	জ	ja	ঝ	jha,z a	ঞ	Nja
ট	Ta	ঠ	Tha	ড	Da	ঢ	Dha	ণ	Na
ত	ta	থ	tha	দ	da	ধ	dha	ন	na

প	pa	ফ	pha,fa	ব	ba	ভ	bha	ম	ma
য	ya,wa	ৰ	ra	ল	la	শ	sha	ষ	Sha
স	sa	হ	ha	ক্ষ	ksha,X	ত্ক	tka		

Swar (Vowels)

অ	a	আ	aa	ই	i	ঐ	ee,ii,l	উ	u
ঊ	oo,uu,U	ঋ	Ra	এ	e	ঐ	ai	ও	o
ঔ	au	অং	a^	অঃ	aH	ঐ	aM		

Example:

Input	Output
aamio	আমিও
eky	ঐক্য

Matras

া	aa	ি	i	ী	ee,ii,l	ু	u	ূ	oo,uu
্	R	ে	e	ৈ	ai,ei	ো	o	ৌ	au,ou

Example:

Input	Output
koumudi	কৌমুদি
moohoort	মুহূর্ত

Anuswara, Visarga and Chandrabindi

ং	^	ঃ	H	ঁ	M
---	---	---	---	---	---

Example:

Input	Output
faa^shana	ফাংশন
duHkh	দুঃখ
chaaMda	চাঁদ

Conjuncts

দ্য	dy	ক্ত	kt	দ্ধ	ddh	ক্র	kr	র্ক	rk
ক্ট	kT	শু	shu	চ্চ	chch	ঙ	ND	ক্ষ	ks

Example:

Input	Output
mukt	মুক্ত
krama	ক্রম

Nukta Consonants

য়	Ya	ড়	D_a	ঢ়	Dh_a
----	----	----	-----	----	------

Example:

Input	Output
joD_aa	জোড়া
dRaDh_a	দুট

Explicit Halant Example:

Input	Output
faaTak_	ফাটক্
filma_	ফিল্ম্

Explicit Half Consonants Example:

Input	Output
Aal_haamid	আলহামিদ
Mah_muda	মহমুদ

Special Combinations

If capital 'M' or capital 'H' or caret '^' appear after conso, vowel or matra map them to 'chandrabindi', 'visarga' or 'anuswar'.

Exceptional Case: If capital 'M' or capital 'H' come at the start of a word it should be interpreted as small case 'm' and 'h'.

If 'R' is followed by 'i', 'a' or 'u', ignore matra as 'R' stands for Ra (Rishi).

RiShi

ঋষি

If 'n' is followed by a consonant, replace it with anuswar. Exceptional cases: 'ny' ("n" followed by y), nm ("n" followed by "m") and nn (na followed by na).

Character '~' rule facilitates occurrence of explicit halant and prevents the formation of conjuncts

mah_muda

মহমুদ

Character '_' (underscore) can be used to generate explicit half consonants and preventing the formation of conjuncts.

nish~chaY

নিশ্চয়

Words ending with a consonant and "a" will be treated as ending with "aa" matra. An exception to this rule is conjuncts appearing at the end of the word with an "a".

oTha

ওঠা

A rule

A

অ্যা

'ng' Rule: If the User press 'n' and then 'g' then it will become 'anuswar'.

ebang

এবং

To type Roman Numerals (Numbers), use the Numpad Keys of the Keyboard with Caps Lock Key ON.

1, 2, 3, .9, 0.

To type Lingual Numerals (Numbers), use the Numpad Keys of the Keyboard with Caps Lock Key OFF.

০, ১, ২, ৩, ৪,
৫, ৬, ৭, ৮, ৯

4.3. Assamese Transliteration

4.3.1. Keyboard Rules

Vyanjan (Consonants)									
ক	ka,ca,qa	খ	kha	গ	ga	ঘ	gha	ঙ	Nga
চ	cha	ছ	chha	জ	ja	ঝ	jha,z a	ঞ	Nja
ট	Ta	ঠ	Tha	ড	Da	ঢ	Dha	ণ	Na
ত	ta	থ	tha	দ	da	ধ	dha	ন	na
প	pa	ফ	pha,fa	ব	ba	ভ	bha	ম	ma
য	ya,wa	র	ra	ল	la	শ	sha	ষ	Sha
স	sa	হ	ha	ক্ষ	ksha,X	ত্ক	tka		

Swar (Vowels)									
অ	a	আ	aa	ই	i	ঐ	ee,ii,l	উ	u
ঊ	oo,uu,U	ঋ	Ra	এ	e	ঐ	ai	ও	o
ঔ	au	অং	a^	অঃ	aH	ঔ	aM		

Example:

Input	Output
ikaraa	ইকৰা
eraala	এৰাল

Matras

া	aa	ি	i	ী	ee,ii,l	ু	u	ূ	oo,uu
্	R	ে	e	ৈ	ai,ei	ো	o	ৌ	au,ou

Example:

Input	Output
khiD_ikee	খিড়িকী
juburiYaa	জুবুৰিয়া

Anuswara, Visarga and Chandrabindi

ং	^	ঃ	H	ঁ	M
---	---	---	---	---	---

Example:

Input	Output
P^kaja	পংকজ
aantHs^yoga	আন্তঃসংযোগ
keMchaai	কেঁচাই

Conjuncts

দ্য	dy	ক্ত	kt	দ্ধ	ddh	ক্র	kr	র্ক	rk
ক্ট	kT	শু	shu	চ্চ	chch	ঙ	ND	ক্ষ	ks

Example:

Input	Output
biShNu	বিশু
peNjchana	পেশন

Nukta Consonants

য়	Ya	ড়	D_a	ঢ়	Dh_a
----	----	----	-----	----	------

Example:

Input	Output
paDh_aa	পঢ়া
jaD_ataa	জড়তা

Explicit Halant Example:

Input	Output
Tap~TapeeYaa	টপটপীয়া
Dhek~Dhekaa	ঢেকঢেকা

Explicit Half Consonants Example:

Input	Output
Aal_haamid	আলহামিদ
Mah_muda	মহমুদ

Special Combinations

If capital 'M' or capital 'H' or caret '^' appear after conso, vowel or matra map them to 'chandrabindi', 'visarga' or 'anuswar'.

Exceptional Case: If capital 'M' or capital 'H' come at the start of a word it should be interpreted as small case 'm' and 'h'.

If 'R' is followed by 'i', 'a' or 'u', ignore matra as 'R' stands for Ra (Rishi).

RiShi

ঋষি

If 'n' is followed by a consonant, replace it with anuswar. Exceptional cases: 'ny' ("n" followed by y), nm ("n" followed by "m") and nn (na followed by na).

Character '~' rule facilitates occurrence of explicit halant and prevents the formation of conjuncts

Mah_muda

মহমুদ

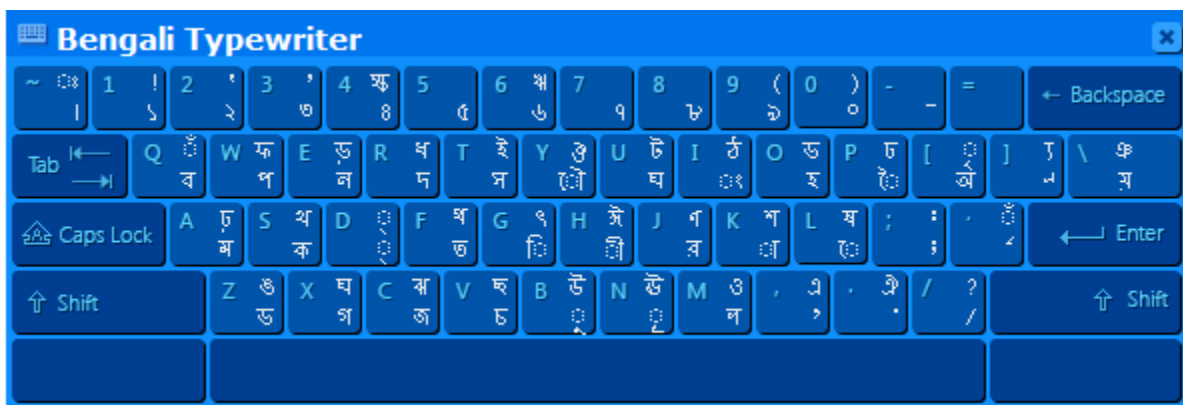
Character '_' (underscore) can be used to generate explicit half consonants and preventing the formation of conjuncts.

nish~chaY

নিশ্চয়

Words ending with a consonant and "a" will be treated as ending with "aa" matra. An exception to this rule is conjuncts appearing at the end of the word with an "a".	oTha	ওঠা
A rule	A	অ্যা
'ng' Rule: If the User press 'n' and then 'g' then it will become 'anuswar'.	ebang	এবং
To type Roman Numerals (Numbers), use the Numpad Keys of the Keyboard with Caps Lock Key ON.	1, 2, 3, .9, 0.	
To type Lingual Numerals (Numbers), use the Numpad Keys of the Keyboard with Caps Lock Key OFF.	০, ১, ২, ৩, ৪, ৫, ৬, ৭, ৮, ৯	

4.4. Bengali Typewriter



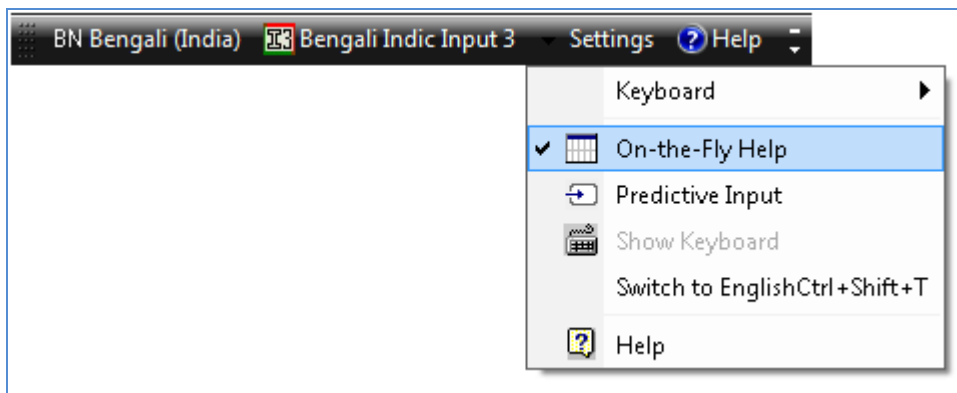
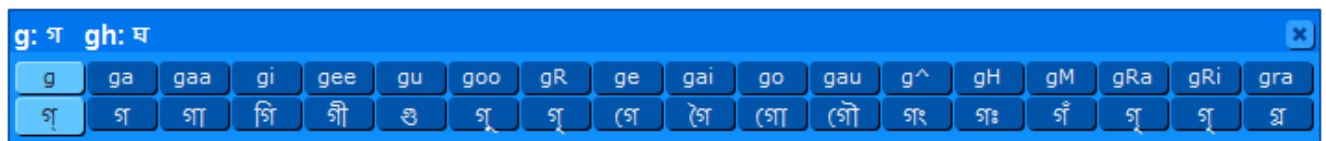
Special Rules	
If 'a' vowel is followed by 'aa' matra create 'aa' vowel.	অ + aa Matra = আ
To type Roman Numerals (Numbers), use the Numpad Keys of the Keyboard with Caps Lock Key ON.	1, 2, 3, .9, 0.
To type Lingual Numerals (Numbers), use the Numpad Keys of the Keyboard with Caps Lock Key OFF.	০, ১, ২, ৩, ৪, ৫, ৬, ৭, ৮, ৯
Reph is typed after a consonant or conjunct.	ক + reph = কঁ কি + reph = ক়ি ক্ + reph = ক্

5. Tool Setting Options

5.1. On-the-fly Help

Tool provides the simplest way to type text by using on-the-fly Help. As the user starts typing using transliteration keyboard, he can see the respective letters in selected Indian Language with various matra combinations.

To activate this feature select **On-the-Fly Help** from **Settings** Menu.



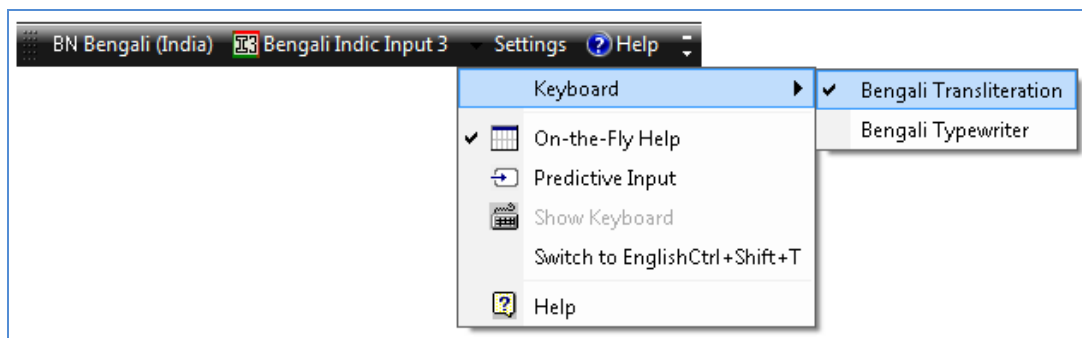
5.2. Predictive Help

Tool provides a simplest way to type text using predictive help. On each key press a suggestion list opens and user can select suitable word with the help of up and down arrow keys. The selected word can be replaced using the space or enter key.

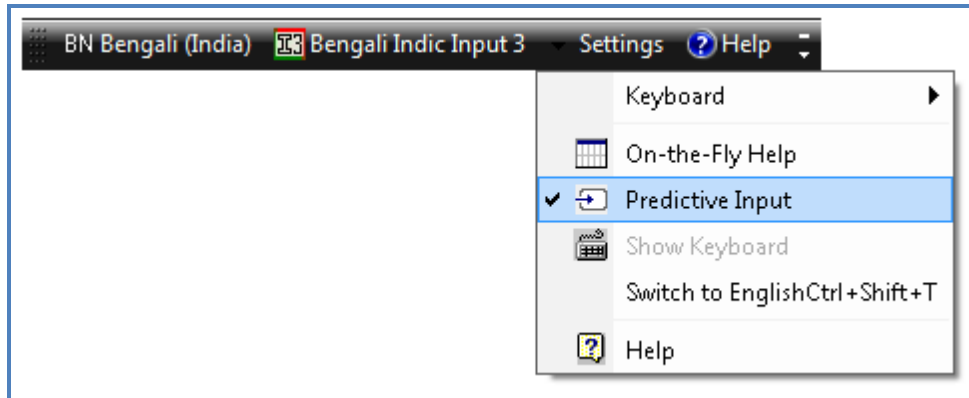
5.2.1. Enable Predictive List

To activate this feature follow below listed steps:

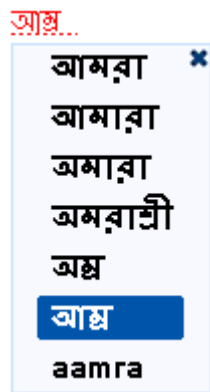
1. Select **Keyboard** from **Settings** Menu.
2. Check **Bengali Transliteration**.



3. Check **Predictive Input** option under **Settings** drop down.



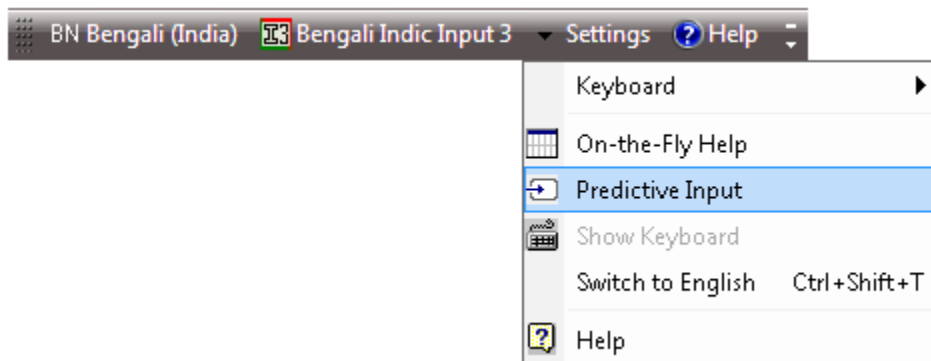
4. As any text or input key will be pressed predictive text will appear in drop down.



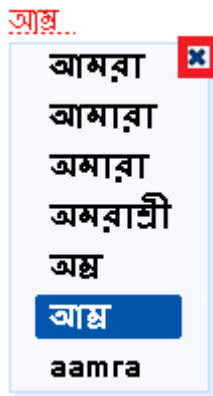
5.2.2. Disable Predictive List

There are two ways to deactivate this feature:

1. Uncheck **Predictive Input** option under **Settings** drop down.

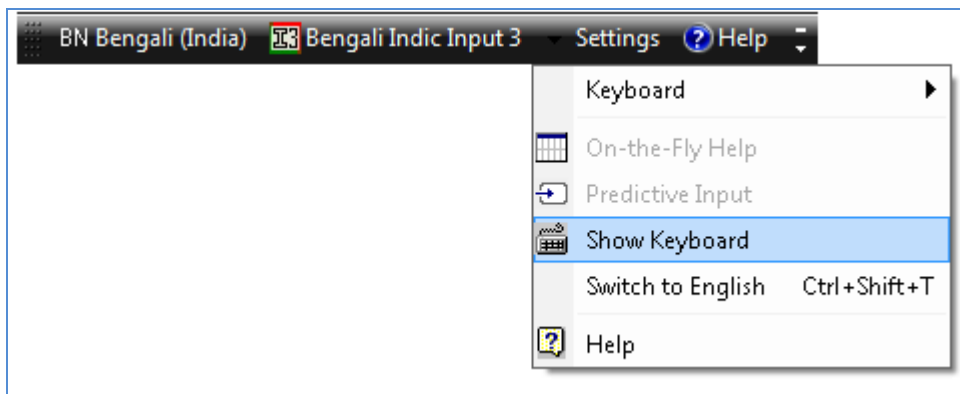


2. Click Close Button on Predictive Window



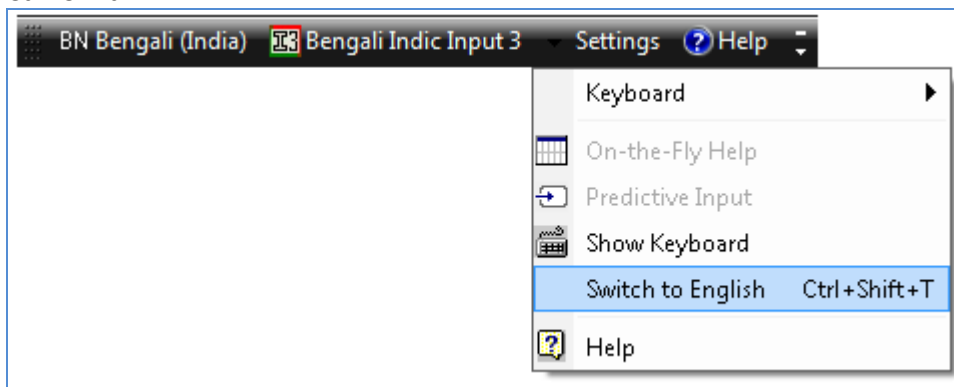
5.3. Show Keyboard

To view any keyboard (except Phonetic) select **Show Keyboard** option from **Settings** Menu

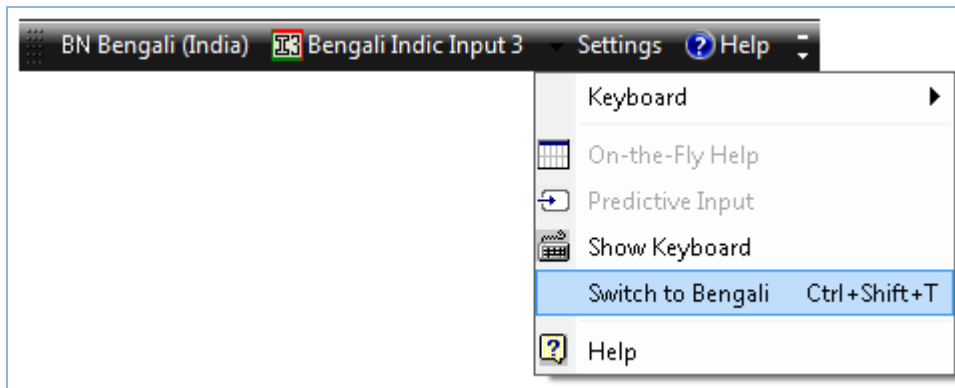


5.4. Switch to English/Bengali

To switch to English Language, select **Switch to English** option from **Settings** Menu or use shortcut key Ctrl+Shift+T.

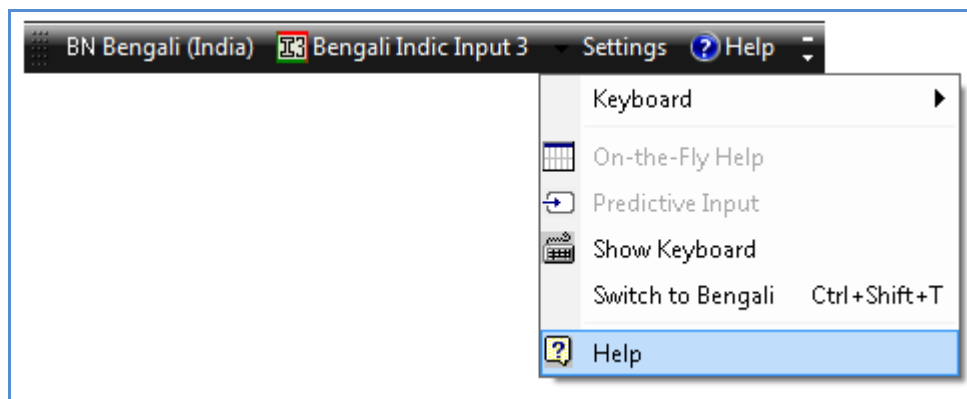


To switch to Bengali Language again, select **Switch to Bengali** option from **Settings** Menu or use shortcut key Ctrl+Shift+T.



5.5. Help

To view help on Bengali Indic Input 3 tool, select **Help** from **Settings** Menu.



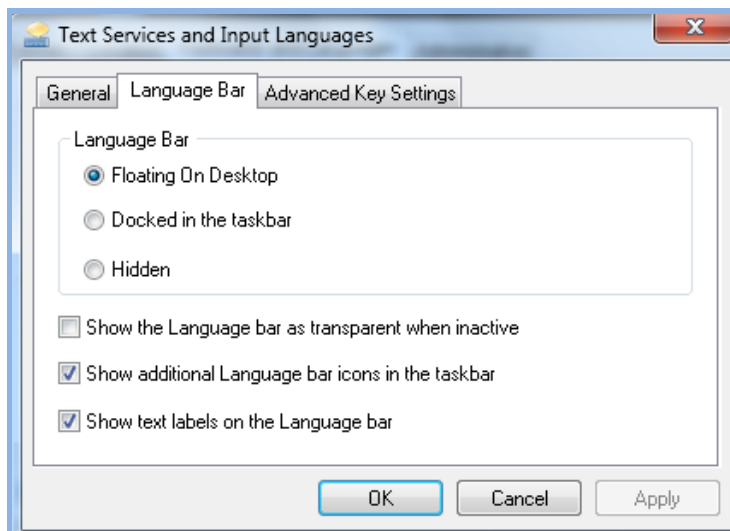
6. Troubleshooting

1. How can I make Language bar visible on my PC?

Right-click your Desktop taskbar, and point to **Toolbars**. See is **Language bar** selected, if not click on it to select. If Language bar is no longer listed in the toolbar menu try below steps:

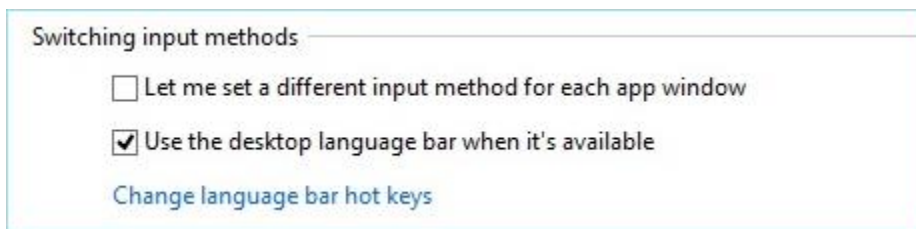
VISTA/WINDOWS 7

- A. Go to **Control Panel > Regional and Language Options > Keyboards and Languages (tab) > Change Keyboards > Language Bar**
- B. Select radio button **Floating on Desktop** or **Docked in the taskbar**.
- C. Click **OK**.

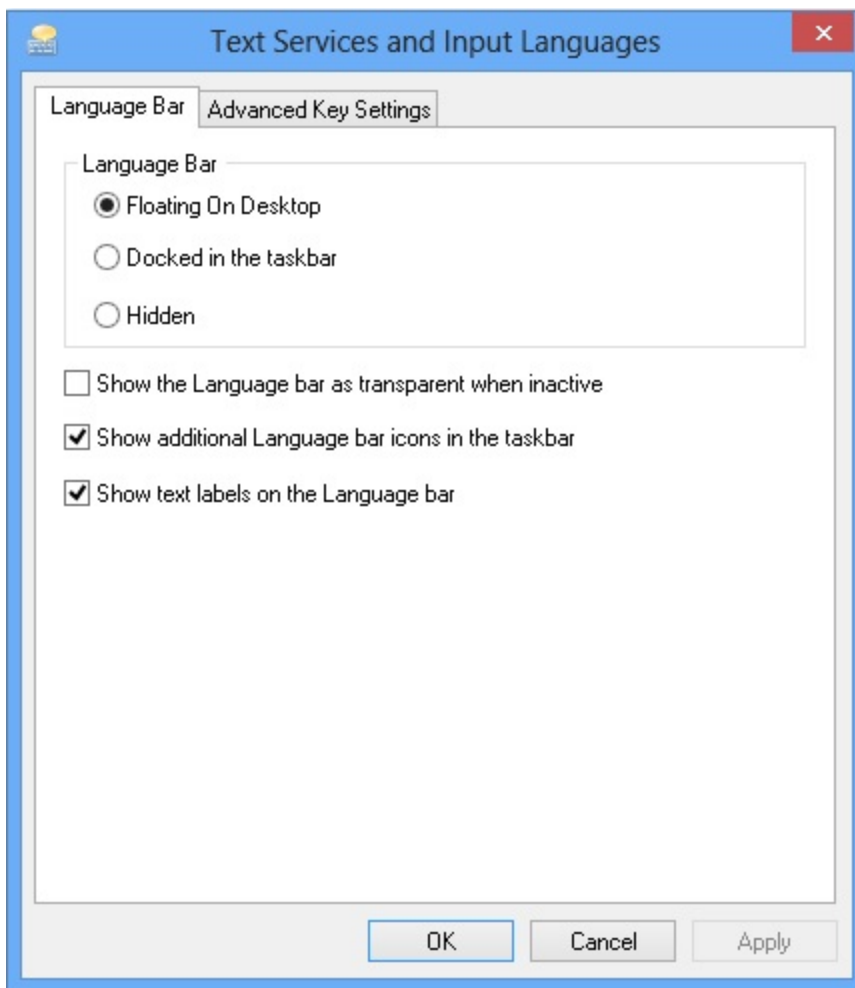


WINDOWS 8

- A. Go to **Control Panel > Language Options > Advanced settings**.
- B. Check the box for “Use the desktop language bar when it’s available” under **Switching input methods** section.



- C. Click on “**Change language bar hot keys**” link.
 - Select radio button **Floating on Desktop** or **Docked in the taskbar**.
 - Click **OK**.

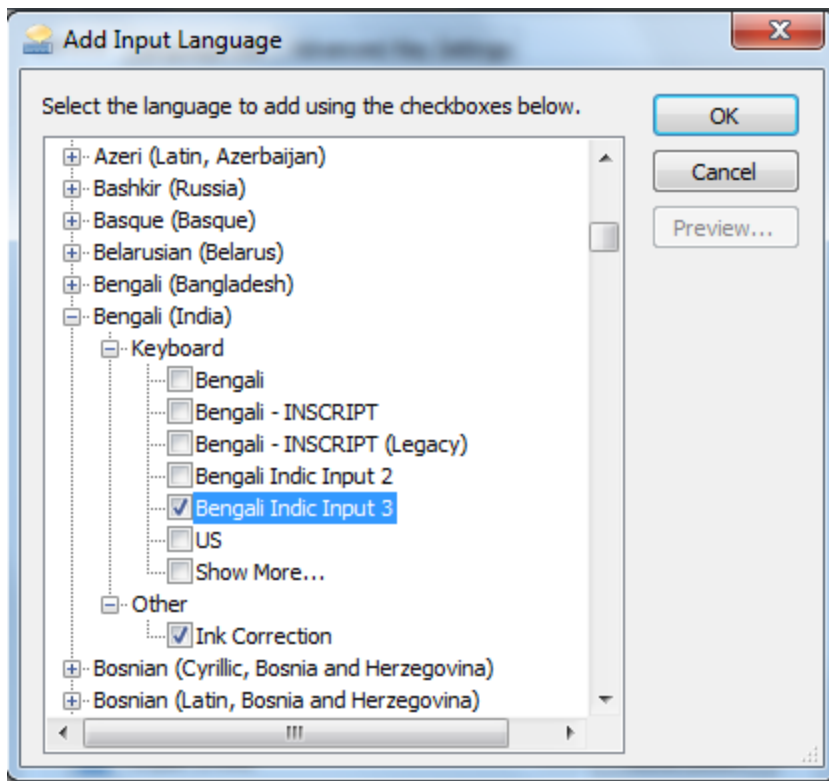


D. Click on **Save** button.

2. How can I add Bengali Indic Input 3 on my Language bar?

VISTA/WINDOWS 7

- A. Go to **Control Panel > Regional and Language Options > Keyboards and Languages (tab) > Change Keyboards > General.**
- B. Click **Add** button, Select the Language (Bengali) and under Keyboard section check the box titled **Bengali Indic Input 3.**
- C. Click **OK.**



7. To Uninstall Bengali Indic Input 3

Follow the steps below to uninstall the tool.

1. Open Windows **Control Panel Programs and Features** to uninstall the program(s).
2. Select **Bengali Indic Input 3** and click **uninstall** button.
3. You will be prompted by a confirmatory message. Select **Yes** to remove the tool completely.

Note: It is recommended to close all running applications before uninstalling the Bengali Indic Input 3 Tool.