



AOSP Quick Search Box

Technical Overview

Requirements

MT6000

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1 Introduction

1.1 Purpose

This document is a brief introduction for Quick Search Box. Quick Search Box is basically Google's default search application.

1.2 Scope

The scope of this document is for Android 7.0 and supported on various MTK chips like MT6755/ MT6735/ MT6753/MT6799 etc.

1.3 Who Should Read This Document

The customer should read this document to have overview of Quick Search Box for Android Nougat.

1.4 How to Use This Manual

This segment explains how information is distributed in this document, and presents some cues and examples to simplify finding and understanding information in this document. Table 1-1 presents an overview of the chapters and appendices in this document.

Table 1-1. Chapter Overview

#	Chapter	Contents
1	Introduction	Describes the scope and layout of this document.
2	References	Document is prepared taking reference of these links
3	Definations	Defination of important terms used
4	Abbreviations	Abbreviation full form
5	Overview	Overview of this document
6	Suggestions	QSB main functionality is to provide searh suggestion for input string in editor
7	Search Results	QSB can open search result for partical query in browser too.
8	Search Widget	Widgets can be added for QSB on idle screen.



1.4.1 Terms and Conventions

This document uses special terms and typographical conventions to help you easily identify various information types in this document. These cues are designed to simply finding and understanding the information this document contains.

Table 1-2. Conventions

Convention	Usage	Example
⚡	Important	

2 References

The following documents contain provisions which, through reference in this text, constitute provisions of the present document.

- [1] MTK Company Profile, http://brandclips.mediatek.inc/uploads/Company-profile-1H-2016_0418-Lite-final.pptx
- [2] <http://developer.android.com/guide/topics/search/index.html>



3 Definitions

4 Abbreviations

Please note the abbreviations and their explanations provided in Table 4-1. They are used in many fundamental definitions and explanations in this document and are specific to the information that this document contains.

Table 4-1. Abbreviations

Abbreviations	Explanation
MTK	MediaTek, Asia's largest fabless IC design company.
Android N	Android Nougat

5 Overview

This chapter first gives a brief description of the Quick Search Box and its folder hierarchy:

- User can enter some string in editor of QSB and get suggestion from Google Search Engine
- Quick Search Box provides following functionalities and features:
 - Suggestions
 - Search Results
 - Quick Search Box Widget

5.1 Source Folder

The code path for QuickSearchBox is 'packages/apps/QuickSearchBox'

Test folder is located under QuickSearchBox folder.

```
AndroidManifest.xml
Android.mk
benchmarks
CleanSpec.mk
.git
MODULE_LICENSE_APACHE2
NOTICE
proguard.flags
res
src
tests
```

Figure 5-1. Common folder hierarchy

6 Suggestions

6.1 General Description

When User input string into edit text, QSB will query suggestions related to the keyword.

Suggestions returned by Google search engine will be listed in suggestions list view.

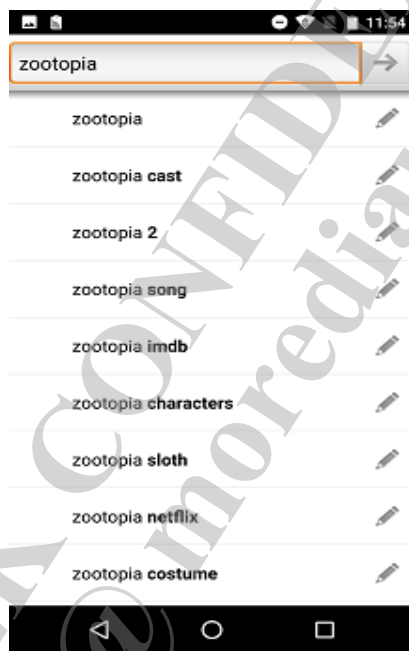


Figure 6-1. Suggestions

7 Search Results

7.1 Tapping Search Button

When User press Search button, QSB application will launch default browser and passing input string to browser. Browser displays search result for this string.

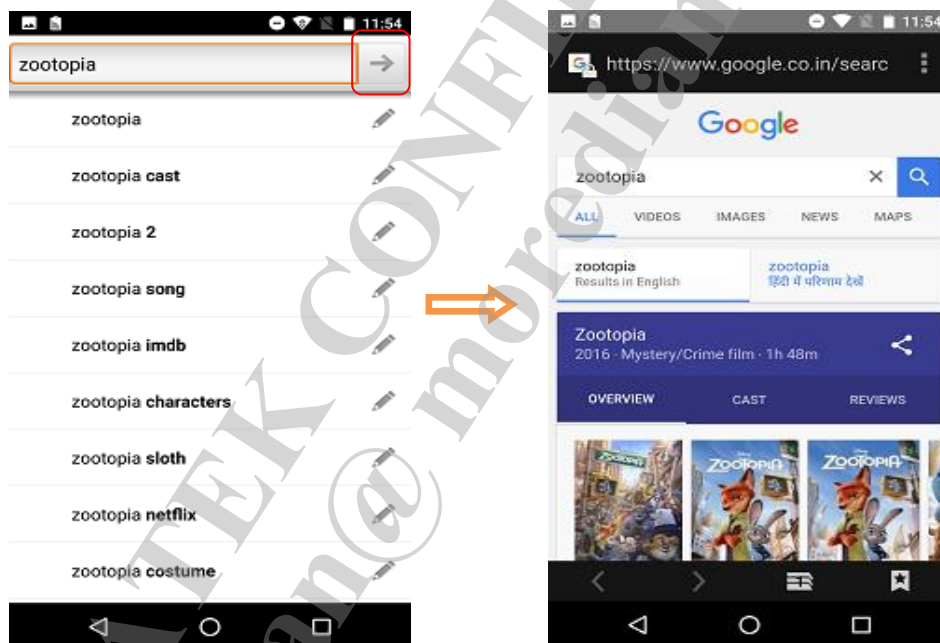
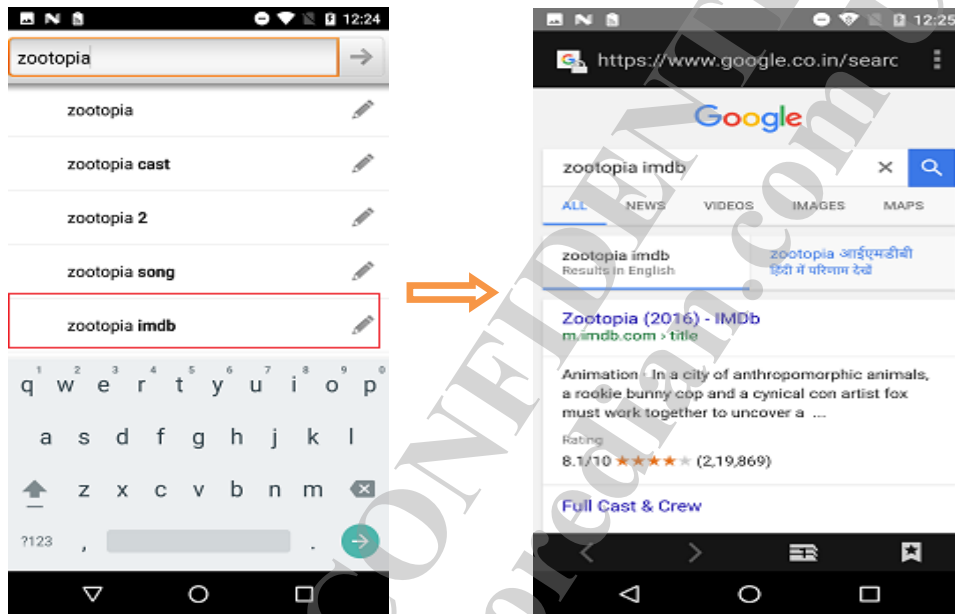


Figure 7-1a. Enter Button Pressed in QSB app. b. Browser Opens displaying search result

7.2 Tapping Suggestion Item

If user tap on any search result, QSB application will still launch default browser and passing that search string to browser. Browser displays search result for this string.



8 Quick Search Box Widget

8.1 General Description

Quick Search Box widget placed in WIDGETS list. User can create an instance by long-pressing widget icon and dragging to home screen.

NOTE: you can create as many instances of Quick Search Box Widget as you need.

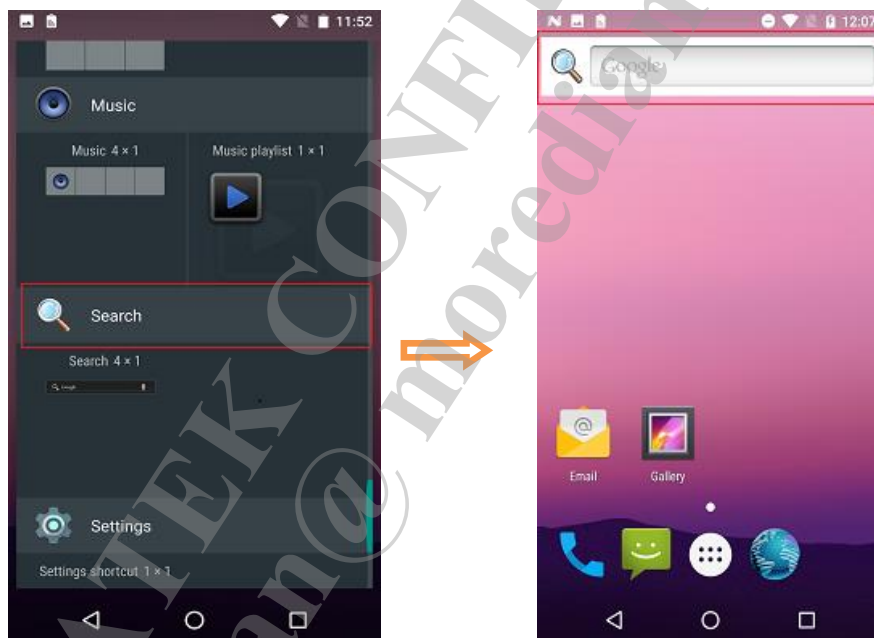


Figure 8-1a. QSB available under widget list. b. QSB Widget on home screen