**iWorkerBot 1.0 - User Manual**

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**1. Introduction**

WorkerBot 2.0 is an on-device AI chatbot application that provides intelligent responses based on pre-loaded knowledge bases. The app works entirely offline, ensuring your data privacy while delivering AI-powered assistance in English and Russian languages.

**Key Features:**

* **Offline Operation**: No internet connection required
* **Multi-language Support**: English and Russian interfaces
* **Privacy-Focused**: All data stays on your device
* **Persistent Chat History**: Conversations are saved between sessions
* **Smart Responses**: AI-generated answers based on embedded knowledge

**2. System Requirements**

**Minimum Requirements:**

* **Device**: iPhone
* **iOS Version**: iOS 16.0 or later
* **Storage**: At least 2GB free space
* **Memory**: 4GB RAM minimum (6GB recommended)

**Recommended Specifications:**

* iPhone 15 Pro or newer for optimal performance
* iOS 17.0 or later
* 4GB+ free storage space

**3. Installation Guide**

**For Testers Using TestFlight:**

1. **Receive Invitation**
   * Check your email for TestFlight invitation
   * Tap the invitation link on your iPhone
2. **Install TestFlight** (if not already installed)
   * Download from App Store
   * Open TestFlight app
3. **Install WorkerBot 1.0**
   * Find "WorkerBot 1.0" in TestFlight
   * Tap "Install"
   * Wait for download to complete (app is over 1GB)
4. **First Launch**
   * Tap "Open" in TestFlight or find the app on your home screen
   * Allow any permission requests if prompted

**4. Getting Started**

**First Time Setup:**

1. **Launch the App**
   * Tap the WorkerBot icon on your home screen
   * Wait for initial loading (5-10 seconds)
2. **Initial Screen**
   * You’ll see the loading animation while the app is context base is being processed
   * The app will show "Setting up English and Russian chats “
   * Next is see the main chat interface
   * The language selector (flags) appears at the top right
   * Default language is English

**5. Application Features**

**5.1 Language Selection**

**Purpose**: Switch between English and Russian interfaces and knowledge bases

**How to Test**:

1. Look at the top-right corner of the screen
2. Find the flag selector (🇬🇧 / 🇷🇺)
3. Tap to switch languages

**Expected Behavior**:

* Interface language changes immediately
* Welcome message updates to selected language (not working as intended)
* Previous conversations are preserved
* Each language maintains separate chat history

**5.2 Chat Interface**

**Purpose**: Main interaction with the AI assistant

**How to Test**:

1. **Sending Messages**:
   * Tap the text field at the bottom
   * Type your question
   * Press "Send" button (paper plane icon) or tap "Return"
2. **Message Types**:
   * User messages appear on the right (blue background)
   * Bot responses appear on the left (gray background)
   * Messages include timestamps

**Expected Behavior**:

* Typing indicator while AI generates response
* Responses appear within 3-10 seconds
* Messages auto-scroll to show latest
* Text can be selected and copied

**5.3 Knowledge Base Processing**

**Purpose**: Process embedded documents for AI responses

**How to Test**:

1. On first launch, observe automatic processing
2. Progress bar shows percentage complete
3. Status messages indicate current action

**Expected Behavior**:

* One-time process per language
* Takes 30-60 seconds
* App remains responsive during processing
* Success message when complete

Here’s the completed **Speech to Text** section in the same style as the rest of your manual:

**5.4 Speech to Text**

**Purpose:** Allow users to speak to the AI assistant instead of typing.

**How to Test:**

1. Open the main chat interface.
2. Look for the microphone icon to the right of the text input field.
3. Tap the microphone icon — the icon should change to indicate that the app is “listening.”
4. Speak clearly into the device’s microphone in the selected language (English or Russian).
5. The recognized text should appear in the text field as you’re speaking
6. Press the **Send** button (paper plane icon) to send the transcribed message to the AI.

**Expected Behavior:**

* Speech recognition starts instantly after tapping the microphone icon.
* The transcription appears in the text field in real time.
* The recognized text matches the spoken words accurately (minor errors possible, especially with background noise).
* Language detection matches the currently selected interface language.
* User can edit the text before sending.
* Canceling recording (by clicking the microphone button again) clears any temporary transcription.

**Notes for Testing:**

* Test in both English and Russian modes.
* Try short phrases, long sentences, and pauses mid-speech.
* Test in quiet and noisy environments to evaluate accuracy.
* Test switching directly from speech input to keyboard input.

**5.5 Message History**

**Purpose**: Persist conversations between app sessions

**How to Test**:

1. Have a conversation with several messages
2. Completely close the app (swipe up and remove)
3. Reopen the app
4. Check if previous messages appear

**Expected Behavior**:

* All messages preserved
* Correct order maintained
* User/bot message alignment preserved
* Separate histories for each language

**6. Testing Checklist**

**Basic Functionality Tests:**

* App launches without crashing
* Language selector works properly
* Can type and send messages
* Bot responds to questions
* Messages appear in correct positions
* Chat history persists after restart

**Performance Tests:**

* First-time setup completes successfully
* Response time is under 10 seconds
* App remains responsive while processing
* No memory warnings appear
* Smooth scrolling in chat

**Edge Cases:**

* Send empty message (should be blocked)
* Send very long message (500+ words)
* Rapidly switch languages
* Use app in low storage conditions
* Test with device in Low Power Mode

**7. Expected Behaviors**

**Normal Response Times:**

* **First response**: 5-10 seconds
* **Subsequent responses**: 3-7 seconds
* **Language switching**: Instant
* **App launch**: 2-5 seconds

**Response Quality:**

* Answers relate to provided context
* Responses are coherent and complete
* Language matches selected interface
* Bot admits when information isn't available

**Visual Indicators:**

* Send button disabled when typing
* Progress bar during processing
* Clear user/bot message distinction
* Smooth animations and transitions

**8. Known Limitations**

1. **Model Size**:
   * App size is approximately 1.4GB
   * First launch requires additional processing time
2. **Response Length**:
   * Responses limited to ~150-200 words
   * Complex questions may receive partial answers
3. **Language Mixing**:
   * Cannot mix languages in single conversation
   * Each language uses separate knowledge base
4. **Performance**:
   * Older devices may experience slower responses
   * Battery usage higher during active conversation
5. **Memory Usage**:
   * App may restart if system memory is low
   * Background apps may be closed by iOS

**9. Troubleshooting**

**App Crashes on Launch:**

1. Ensure 2GB+ free storage
2. Restart iPhone
3. Reinstall from TestFlight

**No Bot Responses:**

1. Wait up to 30 seconds
2. Check if processing message appears
3. Try sending a simpler question
4. Restart the app

**Missing Chat History:**

1. Ensure app wasn't deleted
2. Check correct language is selected
3. Verify storage permissions

**Slow Performance:**

1. Close other apps
2. Ensure device isn't in Low Power Mode
3. Check available storage (Settings > General > Storage)
4. Let device cool down if warm

**Error Messages:**

* **"Model initialization failed"**: Reinstall app
* **"Processing failed"**: Check storage space
* **"Database error"**: Clear app data and restart

**Testing Notes**

* Test each feature thoroughly
* Document any unexpected behaviors with screenshots
* Note device model and iOS version when reporting issues
* Pay attention to memory usage in Settings > Battery
* Test in various conditions (low battery, poor lighting, etc.)

For bug reports, please include:

1. Device model and iOS version
2. Steps to reproduce
3. Expected vs actual behavior
4. Screenshots if applicable
5. Time of occurrence