



MX SERVER **BULK MAILER**

— ALL FEATURES GUIDE —

Desktop App • Email Verifier • Multi SMTP • Inbox • Smart Templates • Marketing Tools • Web Admin

Product version detected in the supplied package: **V4.1.1**

1. Guide Map

A compact map of the application so you can jump straight to the area you need.

Secure Access Login, account creation, OTP verification, Google sign-in, saved-login restore and password reset.	Campaign Recipient lists, send mode, delay, schedule, delivery table, progress, results and logs.
Compose Subject, body, HTML mode, formatting, attachments, save template and spam-quality check.	Profile Company branding, contact information, website and logo preview.
SMTP Main SMTP setup/test plus multiple SMTP account management and rotation.	Contacts Lead storage, import, grouping and campaign handoff.
Inbox Search, source sync, primary/sent/all mail, delete, reply and follow-up list.	Templates Saved templates, search, duplicate/delete, smart variants and safety tools.
Verifier Real email checks, bulk verification, export and Add to Campaign.	Marketing Tools Analytics, suppression, DNS auth check, test send, smart import, drafts, queues and backup.
Mail Health SMTP health overview, recommended action, export and copied summary.	World Clock Country/capital/timezone search, clock cards and global send planning.
Console Live workspace summary for SMTP, contacts, templates, schedule and current mode.	Settings Appearance, region, notifications, send safety, tab visibility, backups, security and updates.
Web Admin Users, subscriptions, sessions, trials, purchases, pricing, updates, support, API keys and security.	Cloud & Storage Encrypted local data, cloud profile/vault sync, autosave and recovery paths.

Recommended order Login -> Profile -> Main SMTP -> Multiple SMTP (optional) -> Contacts/Verifier -> Compose -> Template -> Campaign -> Inbox follow-up -> Mail Health.

2. Secure Access, Login & Startup

The package includes a controlled login-first startup flow plus local/cloud account restore logic.

Feature / Control	What it does / how to use it
Login	Open an existing workspace with email and password. Successful login closes the login window before the dashboard appears.
Create Account	Supports Gmail, Outlook and business/custom-domain addresses. Account creation uses email verification/OTP when available.
OTP Verification	6-digit verification dialog with resend support and a validity window.
Google Sign-In	Google OAuth sign-in is supported, including account chooser and secure callback cleanup.
Remember / Auto Login	The app can restore the last successful account. Saved password credentials are stored through encrypted local storage rather than plain text.
Login History	Shows recent successful logins stored locally on the PC, with a clear-history option.
Forgot Password	Opens the password-reset flow/portal for secure reset handling.
Startup Progress	Dedicated progress window shows secure workspace initialization, module loading, profile/SMTP/inbox restore and dashboard finalization.
Device / Session Identity	Login sessions include device/session metadata used by cloud/admin synchronization.
License / Device Binding	The code includes subscription-key validation and device binding/reset support for licensed workspaces.

Privacy note Do not share SMTP passwords, app passwords, OAuth client secrets, service-account files or reset tokens in screenshots or support tickets.

3. Campaign Workspace

The Campaign tab is the main sending control center for recipients, schedule, SMTP mode and delivery results.

Feature / Control	What it does / how to use it
Import	Load recipient data into the current campaign.
Export	Export the current campaign recipient list/results for external use.
Paste Email	Paste addresses directly into the campaign list.
New Mail	Add a recipient manually without re-importing a file.
Save List	Save the current campaign emails under a reusable list name.
Open Saved Lists	Load/replace, add to current, export, delete or prepare a saved list for sending.
Single Send Mode	Send through the configured Main SMTP account.
Multi SMTP Mode	Send through the valid multiple-SMTP pool. The SMTP total is counted from valid accounts.
Delay (seconds)	Controls the pause between sends. In Multi SMTP mode the delay applies to the sending pool.
Schedule	Enable date/time scheduling and save the scheduled campaign time.
Quick Template	Preview and apply a saved email template before sending.
Start / Stop	Start campaign delivery or stop an active send operation.
Progress	A sending progress popup reports campaign progress instead of occupying the main page.
Live Counters	Total Emails, Delivered, Failed, Active Sender and SMTP Total update around the delivery workflow.
Delivery Table	Per-recipient columns include Email, Status, SMTP Mail and Result.
Logs / Process	Process logs show campaign activity; Clear Logs removes the current log view.
Persistence	Campaign table state and preferences are persisted/restored to reduce work loss between sessions.
Sent Copy	The app can keep a sent-copy record for inbox/history workflows.

Saved Mail List workflow

1. Prepare or import the recipients in Campaign.
2. Choose Save List and give the list a clear name.
3. Use Open Saved Lists later to replace the current list or add it to the current list.
4. Use Send Selected List when you want the saved list prepared for delivery.

4. Compose Studio & Spam Quality Check

Create the subject/body, add files, validate HTML and review spam risk before the campaign starts.

Feature / Control	What it does / how to use it
Subject Text	Dedicated subject input used by Compose and campaign/template workflows.
Email Body	Rich text editor for the main email message.
Formatting	Bold, italic, underline and text-format controls are available in the editor.
HTML Code Mode	Use when pasting raw HTML and you want the exact HTML sent.
Check HTML	Checks the current HTML/body composition before sending.

Feature / Control	What it does / how to use it
Attachments	Add files, open the attachment manager, remove files, and view file count / total size.
Save Template	Store the current subject/body as a reusable user template.
Spam Mail Check	Analyzes the current subject/body for risky terms and content quality.
Overall Score	Shows a numerical/quality score for the message.
Risk Level	Summarizes delivery/spam risk after the check.
Recommendation	Shows correction advice such as subject/body issues, risky words and missing elements.
Health Result	The panel presents Good / Average / Bad style health with correction suggestions.

Best practice Run Spam Mail Check after the final subject/body is ready, then re-run it after major wording or HTML changes.

5. Profile & Branding

Company details can be saved once and reused in dashboard/email presentation.

Feature / Control	What it does / how to use it
Company Name	Primary company/brand name.
Organisation / Industry	Business category or organisation detail.
Phone	Business contact number.
Email	Business contact email shown in profile/branding contexts.
Website / Domain	Website/domain information for the profile.
Logo	Paste a logo URL/path or browse for a local logo file.
Live Preview	Preview card shows the current logo and company details before/after saving.
Save Profile	Persists the profile for the current workspace and allows cloud/profile synchronization where configured.

6. Main SMTP & Multiple SMTP

Configure the sending accounts, validate them, and maintain a clean pool for rotating bulk campaigns.

Main SMTP

Feature / Control	What it does / how to use it
Setup Main SMTP	Opens the SMTP account dialog for provider, email, password/app password, SMTP and IMAP settings.
Auto Detect	Can auto-detect common provider settings from the email address.
Provider Modes	Supports automatic, business/cPanel webmail and custom-domain configuration.
SMTP / IMAP	Stores SMTP host/port plus IMAP host/port and mailbox details.
TLS / SSL	Supports TLS and SSL connection modes.
Test Mail Login	Tests account connectivity before saving.
Save Account	Stores the account after entering or validating the settings.
Test Main SMTP	Runs a validation of the saved Main SMTP.

Feature / Control	What it does / how to use it
Clear SMTP	Clears the Main SMTP configuration.
Gmail App Password	The dialog explicitly expects a Google 16-character app password for Gmail rather than the normal account password.

Multiple SMTP account center

Feature / Control	What it does / how to use it
Add / Edit SMTP	Add an account; double-click the email address in a row to edit it.
Save SMTP	Persist the multiple-account pool.
Backup SMTP	Create a backup of the multiple-SMTP data.
Test Selected / Test All	Validate one selected account or the entire pool.
Working / Invalid Filters	Switch between All SMTP, Working SMTP and Invalid SMTP.
Export Working / Invalid	Export only the matching health/status group.
Import Mail + App Key	Import SMTP mail IDs / app keys from JSON, TXT, CSV or Excel.
Export Mail + App Key	Export mail IDs / app keys to JSON, TXT, CSV or Excel.
Delete Selected / All	Remove one or more accounts or clear the pool.
Per-Day Field	Each row can carry a daily sending allowance/limit.
Rotation Engine	The runtime rotates through enabled accounts; repeated failures can temporarily place an account into cooldown before it is retried.
Account Status	Runtime states include ready, disabled/cooldown and failure information.

Deliverability tip Use Test All SMTP before a large campaign and keep invalid accounts out of the active pool. Rotation improves continuity, but it does not override provider sending limits.

7. Contact List & Lead Handoff

Store reusable contacts and move selected/daily/all groups directly into Campaign.

Feature / Control	What it does / how to use it
Contact Fields	Name, Email, Phone/WhatsApp and Group/Tag are available for manual entry.
Add Contact	Adds a validated email to the contact store; duplicate email protection is included.
Import File	Imports contacts from supported files; CSV/text parsing is supported and Excel import can use openpyxl.
Contact Table	Columns include Name, Email, Phone, Group, Daily, Added and Source.
Metrics	Shows Total Contacts, Valid Leads, Added Today and Campaign Ready counts.
Add To Campaign	Adds selected rows to the Campaign recipient list.
Add Daily To Campaign	Moves the daily contact pool into Campaign.
Add All To Campaign	Adds all stored contacts to Campaign.
Delete Selected	Removes chosen contact rows.
Protected Storage	Contacts can be saved in a protected local vault and can also participate in cloud-vault sync when configured.

8. Inbox, Reply & Follow-Up

Read synced mail, search it, reply from the selected source account and keep client follow-up leads.

Feature / Control	What it does / how to use it
Search Inbox	Search the current inbox/message cache.
Source Selector	Choose the configured mailbox/source account used for refresh and replies.
Refresh / Auto Refresh	Refreshes mail sources; an automatic silent refresh routine is also present.
Primary / Sent / All Mail	Switch between main received mail, sent items and the full visible mail set.
Select All	Select visible mail rows for bulk actions.
Delete Selected / Delete Mail	Remove selected/current mail from the local inbox view with confirmation.
Unread State	Read keys are persisted so the app can distinguish unread vs read messages.
Lead Stats	Inbox cards summarize New Replies, Interested and Follow Up counts.
Message Reader	Shows sender, recipient/source, subject, date/status and the message body/preview.
Send Reply	Quick reply box sends using the selected source account.
Follow Up List	Save a client mail as a follow-up lead for later campaign use.
Follow-Up Export	Export saved follow-up records to CSV.
Add Follow-Ups to Campaign	Push saved client email addresses back into Campaign.
Inbox Cache	Messages are cached and merged to make refreshes more stable and preserve local state.
Noise Filtering	Delivery-failure/automated noise is identified so the inbox can focus on useful client mail.

9. Saved Templates & Smart Variants

Templates go beyond basic storage: the package includes controlled variants, safety checks and personalization.

Feature / Control	What it does / how to use it
My Email Templates	Lists templates saved by the current user.
Search	Filter templates by name/content.
Select / Select All	Selection mode supports bulk safety/delete actions.
Duplicate Template	Create a reusable copy of an existing template.
Load to Compose	Open a saved template in Compose for editing/sending.
Add to Campaign	Apply a saved template directly to the Campaign composer.
Delete	Delete one or multiple selected templates.
Protected Persistence	Templates are saved through protected storage with recovery/emergency persistence paths.
Smart Variants	Create and manage multiple active variants (A-E style workflow).
Variant Distribution	Shows planned recipient split across active variants.
Duplicate Guard	Flags duplicate or too-similar content before sending.
Spam Risk Check	Scores active variants and raises risk warnings.
Personalization Tokens	Supports tokens such as {{name}}, {{email}} and {{domain}}.

Feature / Control	What it does / how to use it
Send Delay	Smart-template settings can define a send delay.
Quiet Hours	Smart delivery can store quiet-hour start/end settings.
Inbox Preview	Preview a variant in Desktop or Mobile layout.
Subject Score	Subject analysis and tips are shown in the smart-template view.
Copy Variant A to B-E	Quickly clone the base content, then edit each active variant to keep them distinct.
Live Warnings	Warnings include missing personalization, missing unsubscribe line and duplicate content.
Send History Context	The dialog can use local send history to show recent/total activity context.

Important After copying Variant A, edit B-E meaningfully. Duplicate Guard is most useful when each active variant is genuinely different.

10. Real Email Verifier

Bulk verification uses multiple checks and can feed active addresses directly into Campaign.

Feature / Control	What it does / how to use it
Add Email	Manually add a full email address.
Paste	Extract valid email addresses from the clipboard.
Import CSV/TXT	Import bulk addresses from CSV/TXT and supported email files.
Syntax Check	Rejects malformed or invalid-length email addresses.
MX Check	Looks for a domain mail server / MX record.
SMTP Probe	Attempts an SMTP-level probe where the provider allows it; some providers block or time out direct probes.
Status	Results include Active/Verified, Inactive/Failed, Pending/Checking and blocked/uncertain cases.
Mail Server Profile	Can display inferred IMAP/SMTP host, ports, TLS and per-day/provider information for known providers.
Progress Popup	Bulk verification shows queue progress; the popup can be closed while verification continues in background.
Stop	Stops the current verification batch from applying more results.
Verify This Email	Run verification for an individual row.
Send Mail	Use a row as the target for composing/sending.
Add To Campaign	Adds active verified addresses to the Campaign list and skips duplicates/invalid rows.
Export Verified	Export active/verified addresses to Excel or CSV.
Export Inactive	Export inactive addresses to Excel or CSV.
Clear	Remove all verifier emails after confirmation.

Verification accuracy SMTP probes are not guaranteed because many providers intentionally block recipient probing. Treat MX + SMTP results as signals, not as proof that a person will read the message.

11. Marketing & Deliverability Tools

A separate tools workspace provides analytics, deliverability checks, automation helpers and local data utilities.

Feature / Control	What it does / how to use it
Dashboard Analytics	Analytics view includes sent, delivered, failed, bounced, opened and click-related campaign fields/log summaries.
Bounce + Suppression	Keeps blocked/unsubscribed/bounced recipients in a suppression list so they can be excluded from prepared campaigns.
SPF / DKIM / DMARC Checker	Checks domain authentication records used for email deliverability.
Test Send	Send a single test message before starting a campaign.
Email Preview	Preview the message before sending and review risk/spam context.
Smart CSV Import	Imports CSV data and auto-maps common columns such as Email, Name and Company.
Autosave Draft	Periodically saves campaign subject/body so work can be restored after close or crash.
Restore / Clear Draft	Restore the last saved draft or clear it.
Scheduled Queue	View scheduled campaign entries with status/actions.
Search + Filters	Filter contact/campaign data by email/name/domain and status such as active, verified, inactive or pending.
Backup / Restore	Create a local JSON backup and restore supported workspace data.
Notification Center	Stores campaign, verification and SMTP alerts.
Duplicate Cleaner	Removes duplicate addresses from campaign/verifier data.
Auto Suppression on Bounce	Recognized hard-bounce patterns can automatically add the address to suppression.

12. Mail Health

A consolidated health page for Main SMTP and every Multiple SMTP account.

Feature / Control	What it does / how to use it
Health Totals	Shows Total, Good, Average and Bad counts.
Refresh	Rebuilds the health view from the current SMTP configuration/status.
Test Main SMTP	Runs the Main SMTP test from the health page.
Test All SMTP	Runs the multi-account test batch.
Health Table	Columns include Type, Email, SMTP Host, Port, Mode, Status, Health and Action Needed.
Action Guidance	Flags missing SMTP host, test-required states and other issues that need attention.
Export CSV	Exports the health report to CSV.
Copy Summary	Copies a text summary for support/troubleshooting.
Open SMTP	Jumps directly to the SMTP configuration area.

13. World Clock & Global Campaign Planning

Use local times to avoid sending at poor hours in the recipient region.

Feature / Control	What it does / how to use it
Search	Search by country, ISO code, capital city or timezone.

Feature / Control	What it does / how to use it
Timezone Selector	Choose a resolved timezone from the available zones list.
Add Clock	Add a country/city/timezone card to the active clock list.
Remove Clock	Remove individual timezone cards.
Live Refresh	Clock cards are refreshed by a timer.
Saved Layout	Selected zones/layout are persisted so the clock returns to the same setup.
Common Presets	The package includes examples such as India, United Kingdom, United States, Japan, France and UAE.
Campaign Planner	World Clock includes campaign-planning context so send timing can be coordinated across regions.

14. Console / Live Workspace Summary

The Console is a clean two-column status table rather than a raw debug console.

Feature / Control	What it does / how to use it
Plan / User	Shows the current workspace plan label and signed-in user.
Theme	Displays the active interface theme.
Main SMTP	Shows the configured Main SMTP email or Not set.
Multiple SMTP Count	Shows the number of stored multiple SMTP accounts.
Valid Multi SMTP	Shows the usable normalized SMTP pool count.
Contacts / Templates	Shows current stored counts.
Expiry	Shows current license/subscription expiry value where present.
Send Mode	Shows Single or Multi SMTP Auto.
Multi SMTP Total	Shows the current campaign SMTP total.
Scheduled	Shows the active campaign schedule or no schedule.
Last Update ID	Shows the last update identifier seen by the app.
Refresh Console	Refreshes all values from live app state.

15. Settings, Backup, Privacy & Security

A single workspace for appearance, regional formats, safe sending, backups, security and update preferences.

Feature / Control	What it does / how to use it
Theme & Appearance	System theme plus interface-density/display options such as Comfortable and Compact.
Language & Region	Language, date format, time format and timezone controls; English/Hindi choices are present in this package.
Notifications	Toggle campaign completed/failed, SMTP errors, daily summary, update alerts and tips/recommendations.
Sending Safety	Quiet-hours option and confirmation before sending.
Sending Controls	Wait seconds, retry count and Rotate/SMTP behavior.
Hide / Show Options	Choose which feature tabs/tools are visible; Settings and Profile remain available.
Show All / Hide Tools	Quickly restore all tabs or hide optional utility tabs.

Feature / Control	What it does / how to use it
Export Backup	Export settings/data to a JSON backup.
Import Backup	Restore settings from a JSON backup.
Workspace Location	Choose folders for Downloads, Logs, Attachments and Backup.
Clear Logs / Cache	Remove local log or temporary cache data.
Remove Saved Login	Prepares saved-login removal on sign-out.
Delete Local App Data	Protected action requiring explicit confirmation from the account flow.
Automatic Updates	Enable/disable automatic update checks.
Beta Updates	Optionally include beta updates.
Check for Updates	Manually query the update status.
App Lock PIN	Enable a local PIN and change it (4-8 digits).
Session Devices	View current-device/session context.
Login Activity	Review local sign-in activity status.
SMTP Health Defaults	Configure default timeout, retry delay, check interval and rotation behavior.
Rotation Modes	Settings expose Round Robin, Failover and Least Used choices for rotation preferences.

16. Data Persistence, Cloud Sync & Recovery

The app contains multiple layers of local persistence and optional cloud synchronization to preserve user work.

Feature / Control	What it does / how to use it
Login-Scoped Workspace	User data is organized around the signed-in workspace instead of one shared blank profile.
Profile Persistence	Profile/branding data can be restored after login.
SMTP Vault	Main SMTP and multiple-SMTP data can be stored in an encrypted vault; cloud save/load functions are present.
Contact Vault	Contacts use protected local storage and can sync through the cloud vault.
Template Vault	Saved templates use protected persistence plus recovery/emergency storage paths.
Campaign Lists	Named campaign mail lists persist for reuse.
Campaign Table Restore	Campaign recipient/status table can be saved and restored silently.
Inbox Cache	Inbox messages/read states/sent replies/follow-up records are persisted locally.
Autosave Draft	Marketing tools can recover unfinished campaign content after a crash or close.
Admin Live Sync	User email/name/PC/device/session can be mirrored to the configured realtime database for Admin dashboard use.
Crash / Startup Diagnostics	Crash logging and startup-error files are included to help diagnose launch failures.
Update-Safe Startup	The login/startup code includes cleanup/restore steps designed to avoid stale windows and partially initialized dashboards.

Backup recommendation Before replacing a build or moving to another PC, export Settings/SMTP/contacts as needed and keep a tested backup copy.

17. Browser Web Admin

The package replaces the old desktop admin panel with a Flask-based browser admin that shares the Firebase project/config with the desktop app.

Feature / Control	What it does / how to use it
Dashboard	Live and extended dashboard endpoints summarize connected app/user activity.
Admin Login	Protected admin login with session security and login-rate limiting.
Users	View users, suspend, extend access, change access, remove profiles and export users to CSV.
Accounts	Create and delete account/profile records from the admin workflow.
Subscriptions	Create/update subscription records, delete subscriptions and reset a bound device.
Trials	Review and update trial records.
Purchases	Review purchase requests and take approval/action steps.
Pricing	Edit pricing data used by the product/admin system.
Updates	Create/update/delete product update notices.
Announcement	Publish or remove an announcement shown to users.
Support	Review support messages and perform support actions/replies.
Subscription Message	Manage subscription-related user messaging.
API Keys	Generate and revoke admin/API keys.
Security	Security page plus audit-log API.
Sessions	Review synchronized app sessions.
REST API	Versioned API endpoints exist for users, subscriptions, purchases, support, pricing, announcements, updates, sessions and dashboard data.
Hosted Mode	Vercel/server files are included for hosted Flask deployment when the required environment variables and HTTPS/security rules are configured.
Local Mode	Admin can run in the browser on a local host/port through the supplied launcher.
Firebase Integration	Uses the same Firebase/Realtime Database project as the desktop app for live user/session data.

Admin safety For hosted Admin, use HTTPS, a strong web-admin session secret, restricted Firebase rules and admin-only credentials. Do not publish service-account files.

18. Password Reset, Updates & Support Flows

Supporting modules provide recovery, update notices and ticket/purchase communication.

Feature / Control	What it does / how to use it
Password Reset Portal	A dedicated Flask reset portal is included with reset page, OTP email template, self-test and deployment examples.
Reset Authorization	Reset links/tokens are validated and invalid/expired/used authorizations are rejected.
Update Status	The app can show System Ready / Update Available dialogs and install-update actions when an install URL is configured.
Announcements	Admin-managed announcement data can be displayed inside the app.
Support Ticket	The UI includes a Create Ticket / Submit Ticket flow for sending an issue or request to the MX team.

Feature / Control	What it does / how to use it
Purchase / License	Purchase and activation dialogs support a final amount/QR flow and subscription-key activation.
Version Lock	This supplied package explicitly locks Desktop App and Web Admin product version to V4.1.1 unless intentionally changed.

19. Practical Workflows

Short recipes for the most common operations.

A. First-time sending setup

1. Sign in and confirm the dashboard opens normally.
2. Open Profile and save company/brand details.
3. Open SMTP -> Setup Main SMTP, enter SMTP/IMAP details and run Test Mail Login.
4. If using more senders, open Multiple SMTP, add accounts and run Test All.
5. Import Contacts or verify a lead list in Email Verifier.
6. Open Compose, prepare subject/body, add attachments and run Spam Mail Check.
7. Save the content as a Template if it will be reused.
8. Open Campaign, add recipients, select Single or Multi SMTP, set delay/schedule, then start the campaign.
9. Watch Delivered/Failed/Active Sender plus the delivery table and logs.

B. Clean-list campaign

1. Import addresses into Verifier.
2. Run Verify All and review Active vs Inactive results.
3. Export the inactive list if you need a suppression/cleanup record.
4. Choose Add To Campaign for active addresses.
5. Use Campaign Save List to preserve the cleaned list.

C. Reply-to-follow-up workflow

1. Open Inbox and refresh the required source account.
2. Open an interested client message and send a quick reply if needed.
3. Save the message to Follow Up List.
4. Later open Follow Up List and add the saved client emails back to Campaign or export them to CSV.

D. Multi-SMTP maintenance

1. Open SMTP -> Multiple SMTP.
2. Run Test All.
3. Filter Invalid SMTP and repair/delete bad entries.
4. Export Working SMTP as a clean backup.
5. Check Mail Health and copy/export the summary before a large send.

20. Troubleshooting Checklist

Use this checklist before assuming the campaign or account data is damaged.

Feature / Control	What it does / how to use it
App does not open	Check startup_errors.log / crash logs, confirm runtime dependencies, and use the source launcher intended for the current package.
Login fails	Confirm network access, correct account/password, OTP state, and configured authentication/Firebase settings.
SMTP fails	Verify host/port/security, app password, provider restrictions, and run Test Mail Login / Mail Health.
Gmail authentication fails	Use a valid Google app password when required; normal Gmail password is not the intended SMTP credential.
Campaign has many failures	Pause sending, inspect Result/Logs, Test All SMTP, verify recipients and check suppression/health.
Verifier is uncertain	Some providers block SMTP probing. Use syntax/MX plus other deliverability signals rather than relying on one probe.

Feature / Control	What it does / how to use it
Inbox is empty	Confirm IMAP settings/source account and refresh; also check whether the message is outside Primary or filtered as automated noise.
Templates missing	Confirm the same login/workspace is being used and restore from backup/protected persistence if needed.
Admin is slow/offline	Check Firebase/RTDB connectivity, local admin launcher/port, session secret and hosted environment variables.
Data migration/build update	Back up settings/SMTP/contacts/templates before replacing files or moving to another system.

Sending compliance Use recipient lists you are permitted to contact, honor opt-out/unsubscribe requests, suppress hard bounces, and follow the rules that apply to your recipients and region.

21. Full Feature Index

Quick checklist of the capabilities identified in the supplied V4.1.1 package.

✓ Email/password login	✓ Create account	✓ OTP verification
✓ OTP resend	✓ Google OAuth login	✓ Saved login restore
✓ Auto login	✓ Local login history	✓ Forgot password
✓ Password reset portal	✓ Startup progress	✓ Device/session sync
✓ License activation	✓ Device binding/reset	✓ Profile cloud sync
✓ Campaign import	✓ Campaign export	✓ Paste recipients
✓ Manual new recipient	✓ Save campaign list	✓ Open saved lists
✓ Replace/add saved list	✓ Send saved list	✓ Export saved list
✓ Delete saved list	✓ Single SMTP send	✓ Multi SMTP send
✓ Auto SMTP count	✓ Send delay	✓ Campaign schedule
✓ Save schedule	✓ Start/stop sending	✓ Progress popup
✓ Delivery counters	✓ Delivery table	✓ Process logs
✓ Clear logs	✓ Sent-copy persistence	✓ Campaign table restore
✓ Compose subject	✓ Rich email body	✓ Bold/italic/underline
✓ HTML code mode	✓ HTML check	✓ Attachment add/remove
✓ Attachment count/size	✓ Save template	✓ Spam quality score
✓ Spam risk level	✓ Spam correction advice	✓ Company profile
✓ Organisation/industry	✓ Phone/email/site	✓ Logo browse/path
✓ Profile preview	✓ Main SMTP setup	✓ Provider auto detect
✓ cPanel/custom-domain mode	✓ SMTP host/port	✓ IMAP host/port
✓ TLS/SSL	✓ Test Mail Login	✓ Save account
✓ Test Main SMTP	✓ Clear Main SMTP	✓ Gmail app-password guidance
✓ Multiple SMTP add/edit	✓ Double-click edit	✓ Save SMTP pool
✓ Backup SMTP pool	✓ Test selected	✓ Test all
✓ Working filter	✓ Invalid filter	✓ Export working
✓ Export invalid	✓ Import mail/app keys	✓ Export mail/app keys
✓ Delete selected/all	✓ Per-day settings	✓ Round-robin runtime
✓ Failure cooldown	✓ SMTP status tracking	✓ Contact manual add
✓ Contact import	✓ Duplicate contact protection	✓ Contact groups/tags
✓ Contact metrics	✓ Add selected contacts to campaign	✓ Add daily contacts to campaign
✓ Add all contacts to campaign	✓ Delete contacts	✓ Encrypted contact vault
✓ Cloud contact sync	✓ Inbox search	✓ Inbox source selector
✓ Inbox refresh	✓ Inbox auto refresh	✓ Primary/Sent/All Mail
✓ Select all mail	✓ Delete selected/current	✓ Read/unread persistence
✓ Inbox lead stats	✓ Message reader	✓ Quick reply
✓ Follow-up save	✓ Follow-up CSV export	✓ Follow-up to campaign
✓ Inbox cache/merge	✓ Automated-noise filtering	✓ Template search
✓ Template select/select all	✓ Duplicate template	✓ Load template
✓ Template to campaign	✓ Delete template	✓ Protected template vault
✓ Smart variants	✓ Variant distribution	✓ Duplicate guard

✓ Spam risk check	✓ Personalization tokens	✓ Smart send delay
✓ Quiet hours	✓ Desktop/mobile preview	✓ Subject score
✓ Copy A to B-E	✓ Live safety warnings	✓ Local send-history context
✓ Verifier manual add	✓ Verifier paste	✓ Verifier import
✓ Syntax check	✓ MX check	✓ SMTP probe
✓ Active/inactive status	✓ Provider mail-server profile	✓ Verification progress
✓ Background continuation	✓ Stop verification	✓ Verify one row
✓ Send from row	✓ Verified to campaign	✓ Export verified
✓ Export inactive	✓ Clear verifier	✓ Dashboard analytics
✓ Bounce suppression	✓ SPF/DKIM/DMARC check	✓ Test send
✓ Email preview	✓ Smart CSV auto-map	✓ Autosave draft
✓ Restore/clear draft	✓ Scheduled queue	✓ Search/status filters
✓ Backup/restore	✓ Notification center	✓ Duplicate cleaner
✓ Auto suppress hard bounces	✓ Mail Health totals	✓ Mail Health table
✓ Action-needed guidance	✓ Health export	✓ Copy health summary
✓ Open SMTP from health	✓ World Clock search	✓ Timezone selector
✓ Add/remove clock	✓ Live clock refresh	✓ Saved clock layout
✓ Campaign planning by timezone	✓ Console live summary	✓ Console refresh
✓ Plan/user/theme status	✓ SMTP counts	✓ Contacts/templates counts
✓ Schedule/mode status	✓ Last update ID	✓ Theme/appearance
✓ Language/date/time/timezone	✓ Notification toggles	✓ Sending quiet hours
✓ Send confirmation	✓ Wait/retry/rotation controls	✓ Show/hide tabs
✓ Settings backup import/export	✓ Workspace folders	✓ Clear logs/cache
✓ Saved-login removal	✓ Protected local-data delete	✓ Auto/beta updates
✓ Check for updates	✓ App PIN	✓ Session devices
✓ Login activity	✓ SMTP health defaults	✓ Rotation modes
✓ Encrypted SMTP vault	✓ Cloud SMTP sync	✓ Workspace autosave
✓ Crash/startup diagnostics	✓ Admin live sync	✓ Web Admin dashboard
✓ Admin rate-limited login	✓ Users management	✓ Account management
✓ Subscriptions	✓ Device reset	✓ Trials
✓ Purchases	✓ Pricing	✓ Updates
✓ Announcements	✓ Support	✓ Subscription messages
✓ API keys	✓ Security audit	✓ Sessions
✓ CSV user export	✓ REST API	✓ Local admin mode
✓ Hosted/Vercel mode	✓ Firebase/RTDB integration	

22. Final Notes

Use the guide as the operating reference for this supplied package.

- Version used for this guide: MX SERVER Bulk Mailer V4.1.1, based on the version lock and application version files in the archive.
- Some cloud, login, admin, inbox and deliverability functions require valid external configuration, network access and provider permissions.
- A feature appearing in the UI does not remove provider limits, anti-spam rules, authentication requirements or legal obligations.
- Keep backups before build replacement and do not store/share secrets in ordinary documents or screenshots.

Guide complete This PDF covers the major visible tabs, supporting modules, smart tools, persistence/security flows and browser-admin capabilities found in the supplied package.

Before every campaign - quick safety check

Recipients Use a permitted, current list and remove known unsubscribes/bounces.	SMTP Test the sending account(s) and confirm the active pool is healthy.
Content Review subject/body, links, branding, attachments and unsubscribe handling.	Spam Check Run the built-in spam-quality/risk check after the final content edit.
Schedule Confirm date, time, timezone and quiet-hour requirements.	Limits Respect provider per-day/per-hour limits and campaign delay settings.