

Notification System - Quick Reference

Quick reference guide for developers working with the notification system.

Quick Start

Enable Notifications in Component

```
import { useNotificationSocket } from '@/hooks/features/useNotificationSocket';

function MyComponent() {
  useNotificationSocket({
    enabled: true,
    playSound: true,
    showBrowserNotification: true,
  });
}
```

Get Unread Count

```
import { useUnreadNotificationCount } from '@/hooks/features/useNotifications';

const { unreadCount } = useUnreadNotificationCount();
```

Fetch Notifications

```
import { useNotifications } from '@/hooks/features/useNotifications';

const { data, isLoading } = useNotifications({
  page: 1,
  limit: 20,
  read: false, // Only unread
});
```



API Endpoints

Method	Endpoint	Description
GET	/api/v1/notifications	Get notifications
PUT	/api/v1/notifications/:id/read	Mark as read
PUT	/api/v1/notifications/read-all	Mark all as read
DELETE	/api/v1/notifications/:id	Delete notification
GET	/api/v1/notifications/preferences	Get preferences
PUT	/api/v1/notifications/preferences	Update preferences



WebSocket Events

Event	Direction	Description
notification:new	Server → Client	New notification created
notification:updated	Server → Client	Notification updated
notification:deleted	Server → Client	Notification deleted
notifications:read-all	Server → Client	All marked as read



Components

NotificationDropdown

```
<NotificationDropdown
  isOpen={isOpen}
  onClose={() => setIsOpen(false)}
  anchorRef={buttonRef}
/>
```

NotificationCenter

```
<NotificationCenter />
```

NotificationItem

```
<NotificationItem  
  notification={notification}  
  onRead={(n) => console.log(n)}  
  onDelete={(id) => console.log(id)}  
  compact={false}  
/>
```

NotificationSettings

```
<NotificationSettings />
```

Hooks

useNotifications

```
const { data, isLoading, error } = useNotifications({  
  page: 1,  
  limit: 20,  
  type: 'match',  
  read: false,  
});
```

useUnreadNotificationCount

```
const { unreadCount } = useUnreadNotificationCount();
```

useMarkNotificationAsRead

```
const markAsRead = useMarkNotificationAsRead();
markAsRead.mutate(notificationId);
```

useMarkAllNotificationsAsRead

```
const markAllAsRead = useMarkAllNotificationsAsRead();
markAllAsRead.mutate();
```

useDeleteNotification

```
const deleteNotification = useDeleteNotification();
deleteNotification.mutate(notificationId);
```

useNotificationPreferences

```
const { data: preferences } = useNotificationPreferences();
```

useUpdateNotificationPreferences

```
const updatePreferences = useUpdateNotificationPreferences();
updatePreferences.mutate({
  email: { match: true },
  push: { message: false },
});
```

useNotificationSocket

```
useNotificationSocket({
  enabled: true,
  playSound: true,
  showBrowserNotification: true,
  onNewNotification: (n) => console.log(n),
});
```



Notification Types

```
type NotificationType =  
  | 'match'  
  | 'message'  
  | 'collaboration'  
  | 'collaboration_invite'  
  | 'collaboration_accepted'  
  | 'collaboration_rejected'  
  | 'collaboration_scheduled'  
  | 'marketplace_order'  
  | 'marketplace_review'  
  | 'streaming_invite'  
  | 'payment_received'  
  | 'payment_failed'  
  | 'system'  
  | 'new_follower'  
  | 'achievement';
```



Configuration

Environment Variables

NEXT_PUBLIC_SOCKET_URL=https://api-hyperbuds-backend.onrender.com

NEXT_PUBLIC_API_BASE_URL=https://api-hyperbuds-backend.onrender.com/api/v1

Sound File

public/sounds/notification.mp3



Common Issues

Notifications not appearing

1. Check WebSocket connection in console
2. Check API response in Network tab
3. Verify authentication token

Sound not playing

1. Check file exists at `public/sounds/notification.mp3`
2. Browser may block autoplay
3. Check system volume

Browser notifications not showing

1. Check permission granted
2. Browser may not support API
3. Check browser settings



Full Documentation

- [README.md](#) - Complete documentation
- [BACKEND-REQUIREMENTS.md](#) - Backend guide
- [IMPLEMENTATION-SUMMARY.md](#) - Implementation details

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